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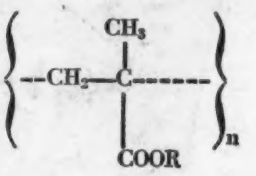

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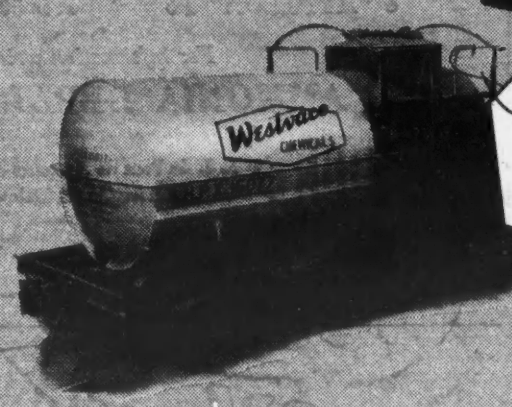

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Oil, Paint and Drug Reporter

JUL 18 '49

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Chemicals Transport Liability Limit Set

An agreement has been reached with the eastern railroads to limit the liability of the rail carriers on transportation of chemicals, drugs, medicines and toilet preparations which move under exception ratings to a maximum valuation of 50 cents a pound, according to the transportation committee of the Proprietary Association of America.

The agreement is a compromise of a problem that has plagued both the railroads and the manufacturers almost since the end of the war. It was brought up formally, so far as has been determined, as the result of a carload shipment of penicillin by one of the branches of the Armed Forces, on which the value was stated on the bill of lading to be in excess of $1,000,000.

As a result of the high valuations which were involved on the shipments of many products of the chemicals and allied industries, the railroads proposed at one time that all freight rates be based on a valuation basis, which would have meant increases in transportation charges in some instances of as much as 500 percent.

After a study and numerous compromises by the various manufacturers represented in the shippers' group, it was decided by the shippers to offer to the carriers to limit their liability to a value not to exceed $1 per pound. The carriers made a counter offer of 25 cents a pound to the shippers, and the shippers in turn offered to go to 60 cents. A compromise was finally reached on 50 cents a pound.

Recommendation of Committee

The compromise proposal was the subject of a public hearing by the general freight traffic committee of the Eastern Railroads at Buffalo on June 22. The following was recommended by the carriers committee after the public hearing:—

"That the carriers endeavor to obtain Section 20 authority to revise the present exceptions ratings on drugs, chemicals, medicines and toilet preparations lists, including essential oils, applicable from, to and within eastern territory, so that these ratings will only apply on such items when released to a valuation of 50 cents a pound.

"That consideration be given to concurrent similar treatment of the items named in the list of drugs, chemicals, medicines and toilet preparations, on which commodity rates are separately published within, from and to eastern territory."

As a result of this action, the shipper group has amended its proposal on file

—*Continued on page 76*

Nitrogen Export Quota Set at 52,000 Tons

An export quota permitting shipment of nitrogenous fertilizer containing up to 52,000 short tons of nitrogen has been established for fiscal year 1949-50 by the Office of International Trade. The new quota is 10,000 tons less than that for last year and takes into consideration recent increases in nitrogenous fertilizer production in some foreign countries.

License applications under the new quota may be filed at any time and will be acted upon by OIT in the order received. OIT urges exporters the file applications as soon as possible in order to permit foreign shipments to be made before January 1, at which time domestic demand for nitrogenous fertilizers usually is the greatest.

Ammonia Sulphate Plant Returned to War Assets

The government's wartime experimental plant at Salem, Ore., built originally for the production of alumina from clay but operated chiefly since the war for the production of sulphate of ammonia, has been turned back to War Assets of the General Services Administration by the Columbia Metals Corporation as an unprofitable enterprise.

Columbia Metals has been operating the plant under a lease from the government that expired on June 30. Contact has been made by War Assets with several of the parties which unsuccessfully sought to acquire the plant a year ago and negotiations for its disposal are now under way.

One of the companies which has expressed a renewed interest in the plant is Manganese Products, Inc., Seattle, Wash., which would use the plant for the production of manganese oxide and ammonium sulphate.

Antibiotics Bill Signed

The antibiotics bill H. R. 3151 providing for certification of aureomycin, chloramphenicol and bacitracin by the Federal Food and Drugs Administration was signed into law July 13 by President Truman. Regulations to cover these new products within the regulations now relating to certification of penicillin and streptomycin are now being prepared by the FDA for issuance shortly.

FDA Subpena Power Proposal Shelved on Industry's Advice

A proposal to give the administrator of the Federal Security Agency authority to issue subpenas to compel the attendance of witnesses and production of books and records at hearings under the Federal food, drug, and cosmetic act, ran into a snag before the house interstate and foreign commerce committee at hearings on July 13.

Spokesmen for the food and drug industries urged that the committee move slowly in the matter because it involves many fundamental questions of far-reaching nature that might conceivably change the whole trend of voluntary cooperation with the agency by the industries involved. The committee agreed to the suggestion and decided to do nothing further until next year.

The proposal was advanced by Representative Frank Keefe of Wisconsin in a bill (H. R. 4572) which he introduced recently after attacking the chemical industry for seeking a modification of the standards of identity for bread to permit the use of chemical emulsifiers in bread manufacture, which, he warned, would replace millions of pounds of fats and oils.

He told the committee that he was surprised to find, when looking up the law, that FDA is without power to subpena the books and records or witnesses for its hearings and that it was his view that in dealing with such important matters as public health FDA should have every power necessary to do the job properly. He added that he had heard no objection to giving FDA subpena powers and he would not regard the granting of such powers an invasion or threat to private industry.

Trade Secrets Involved

When asked whether or not the subpena might be used to force the revelation of trade secrets, Mr. Keefe replied that that was a question which he had not given much study, but his primary aim is protection of the public and he thought the interests of the public transcend the interests of a manufacturer exploiting a product for profit.

Associate FDA Commissioner Charles W. Crawford testified that DFA has never asked for subpena powers. It has thought about it at times but because of other more pressing matters for presentation to Congress it never had suggested this legislation. But, he added, the agency was in favor of the bill because there have been times when it would have been helpful to have these powers.

"At the present time the agency must rely largely upon voluntary appearances," he said. "Frequently we have knowledge that certain persons who do not appear at the hearings are in possession of relevant facts and records which would be of distinct advantage if included in the record. Time-consuming controversies have arisen at some of the hearings which could have been avoided if existing factual evidence had been placed in the record."

As to the question of revelation of trade secrets, Mr. Crawford pointed out that

—*Continued on page 57*

Antitrust Laws Probe Gets Underway in House

The house committee on the judiciary committee last week opened its investigations of the need for revisions of the antitrust laws and heard Attorney General Tom Clark call for Federal curbs on concentration of economic power and a member of the President's official family call for outright repeal of the Miller-Tydings resale price maintenance law.

Mr. Clark was the first witness in the inquiry which plans to cover all phases of the monopoly problem, including price discrimination legislation, economic concentrations, and antitrust law exemptions. Mr. Clark termed business monopolies as "economic blackjacks" and by implication attacked business bigness. He said that most people are victims of three erroneous assumptions:—

"First, it is too often assumed that competition continues to thrive as long as there are at least two or three or four in the field. In my opinion, this is not so.

"Secondly, it is assumed that the bigger the producer the better the quality of goods and the cheaper the price to the public.

"Thirdly, it is assumed that companies

—*Continued on page 59*

Olive Oil 'Dumping' Investigation Planned

The Bureau of Customs of the Treasury Department has under study charges of alleged dumping of olive oil into the United States from abroad in such quantities and at such prices as to interfere with the orderly marketing of the domestic crop. The charges are understood to have been filed by a group of California producers.

The study is still in its preliminary phases and if the bureau considers that the charges warrant an investigation, steps will be taken to obtain information from abroad relating to production costs and other data, to be followed by an investigation in this country to determine whether injury has been done to the domestic industry.

According to the Department of Agriculture, domestic producers are said to have encountered difficulty in disposing of their olive oil production this year. Producers have reported that they have been able to dispose of only about one-half of their production so far, whereas ordinarily all of it has been sold within the first five months of the year.

Drugs Export Bill Hearings July 25

The senate interstate commerce committee has scheduled hearings for July 25 on the house-approved Van Zandt bill, H.R. 562, tightening the provisions of section 801 of the Federal food, drugs, and cosmetic act to curb the export of products which do not meet with the domestic requirements of the law.

Appearances are expected to be made before the committee in behalf of amendments by representatives of the American Drug Manufacturers Association, the Proprietary Association of America, food associations, and possibly the chemical industry. Because the measure is surrounded by considerable controversy, it was decided by the committee to hold hearings on it before consideration is given to reporting it to the floor for passage.

Another bill passed by the House, H.R. 160, relating to the reprocessing of imported drug products to make them conform to domestic requirements is also before the committee. It is expected that this bill may be reported without hearings, since there has been no objection raised to its provisions.

Hop Control Board Membership Selected

The Department of Agriculture has announced the selection of eighteen members and their alternates to serve on the hop control board which will administer the Federal marketing agreement and order regulating the handling of hops and hop products produced in Oregon, California, Washington, and Idaho.

Selections were made after receiving nominations from the industry groups to be represented on the board. Growers will have nine representatives; grower-dealers, two; brewers, four, and dealers, three. Of the nine grower members, three will represent growers in the States of Oregon and Idaho; three, California, and three, Washington.

Reorganization Proposal Hearings Set for July 21

The senate committee on expenditures in executive departments will hold public hearings on July 21 on reorganization plan number one, submitted to Congress several weeks ago by President Truman. This plan provides for the creation of a Department of Welfare, of cabinet rank, embracing practically all of the functions now being carried by the Federal Security Agency in the field of public health and social security.

Price Trend Turns Upward

Price advances in copper, lead and its derivatives, vegetable oils, and botanical drugs put the price trend of the markets for chemicals, oils, and drugs on the upside last week. Those advances were sufficient to offset reductions in coaltar products and penicillins and other drugs.

The uptrend was the first in ten weeks. It raised the overall index 0.2 point, but left it 5 points below the level at which it began its latest break early in May. In comparison with a year ago, it is down 17.2 points, or more than 11 percent. Heavy chemicals, paint materials, drugs, and fertilizer materials are higher than a year ago.

Divisional trends were a bit more definite than in previous weeks. That in coaltar products was wholly downward. There were five advances and no reductions in animal derivatives other than oils. The upward trend in fatty oils was ten to two against reductions. There was a deal of evidence that nonferrous metals were on the road to recovery, and that the drought was helping the feedstuffs trade. Nobody, however, is yet ready to say as much in either respect about the chemical and related markets as a whole.

The drought is helping business in chlorine for water treatment and calcium chloride for dust-laying which is making up for the subnormal snowiness of last Winter. But, the heavy call for chlorine is unbalancing the slack demand for caustic soda. Heavy chemical inventories of manufacturing consumers apparently still have a goodly margin of safety, because demand is not in keeping with the output of finished products. This condition must change, and on that belief much hope is based. Also, there is a growing feeling that better selling might be a help.

Vegetable products, aside from fatty oils, offer some puzzles. The disruptions in China have fallen far short of their expected interference with outward movements of commodities. The same is true with respect to other Oriental regions, although pepper continues short. A particularly puzzling and disturbing shortage is that of ergot; interest in domestic possibilities is being steamed up.

Slide-rules, tea dregs, and all other sorts of predicters are being applied to the guessing on what is going to happen in coaltar chemicals, fertilizer materials, and other commodities if, when, and as the three-day coalmining week is abetted by a steel strike.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

July 15, 1949	July 8, 1949	July 16, 1948
128.0	127.8	145.2

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	133.3	107.3
February	140.4	147.2	151.9	133.4	110.3
March	137.6	146.2	154.9	135.2	111.9
April	133.6	146.2	152.3	134.9	115.5
May	131.2	146.7	146.1	135.1	118.2
June	128.7	147.3	143.9	133.4	121.9

Army Fertilizer Program Meets Opposition in Senate Committee

The program worked out between the army and the fertilizer subcommittee of the house to make available about 85,000 additional tons of nitrogen to domestic agriculture by having the army continue operation of its three anhydrous ammonia plants and relieving the army of a requirement that it make available 10 percent of the anhydrous ammonia production to private fertilizer manufacturers has been handed a setback by the senate appropriations committee in its reporting of the appropriation bill for the Economic Cooperation Administration last week.

Efforts are now being made to have the committee's actions overturned on the senate floor when the appropriations bill comes for consideration, probably this week. Senator Elmer Thomas, of Oklahoma, who is sponsoring the program in the senate, has introduced an amendment which would repeal the 10 percent requirement retroactively as of June 30 last. The amendment is being strongly supported by the army and by Secretary of Commerce Sawyer, who had previously urged that the 10 percent requirement be repealed as being no longer needed in view of the improved anhydrous ammonia supply situation.

The senate committee has agreed to accept only a part of the program—that providing for continued operation by the army in fiscal 1950 of its plants at Morgantown, W. Va., West Henderson, Ky., and San Jacinto, Tex.—but has rejected the proposition that the army be no longer required to supply a part of its anhydrous production to private industry. The 10 percent requirement was a provision written into the ECA appropriation law last year, along with a requirement that the army also meet 50 percent of the export commitments of private industry under the IEFC program.

Cordon Opposes Program

The program had been embodied in an amendment being sponsored by Senator Thomas to the pending ECA bill but when the committee came to consider the amendment, Senator Guy Cordon, of Oregon, objected to the proposed repeal of the 10 percent requirement. He is understood to have expressed criticism of the large amounts of fertilizer materials which the army is sending to the occupied areas and said that the 10 percent provi-

—*Continued on page 42*

Fats and Oils Hearing Scheduled for Today

Hearings have been tentatively set for today (Monday) by the house committee on agriculture on the Granger bill (H.R. 4538) and others of a similar nature providing for an equalization fee on imports of fats and oils to finance the export of such products from the United States.

The committee had planned to begin taking testimony from government and other witnesses on the measures July 12, but due to other matters demanding the immediate attention of the members, the hearings were postponed.

The Granger bill provides that within thirty days after enactment and on the first day of the month thereafter, the Secretary of Agriculture must determine the average parity price at the wholesale level of the principal animal, vegetable, and marine fats and oils produced in the United States as of the 15th day of the previous month, and the average prevailing wholesale price of such fats and oils for the four-weeks' period immediately preceding.

Whenever the average wholesale price of the principal fats and oils produced in the United States is less than the average parity or comparable price of such fats and oils, the Secretary of the Treasury would levy a fee in the amount of the difference on all imports of fats and oils. Importers would receive a drawback in the amount of the fee paid in the form of a warrant from the treasury which would be redeemable at face value at the time he exported any fats and oils.

At the same time, Senator Guy M. Gillette, chairman of the senate subcommittee on utilization of farm crops, announced that an open hearing on fats and oils will be held on July 21. The witnesses will be

—*Continued on page 80*

ECA Announces Additional Procurement Authorizations

Decreases in authorizations previously granted by the Economic Cooperation Administration outweighted the total of new authorizations granted during the period July 7 through July 13, with the result that the accumulated authorizations issued as of the latter date were $5,651,000 less than on the previous date. The total of authorizations issued to date now stand at $5,905,935,000 as against $5,911,586,000 on July 7. Among the new authorizations and decreases announced during the period were the following:—

To Austria—A decrease of $25,000 for copra from the Philippines.

To Belgiun-Luxembourg — $300,000 for chemicals excluding fertilizers and synthetic rubber, and decreases of $100,000 for industrial chemicals other than alcohol and $89,000 for vegetable oils and fats, all from the United States; and a decrease of $150,000 for hides and skins from Latin America.

To Bizone-Germany—$20,000 for essential oils, and decreases of $21,000 for soybeans and $12,000 for industrial chemicals other than alcohol from the United

—*Continued on page 75*

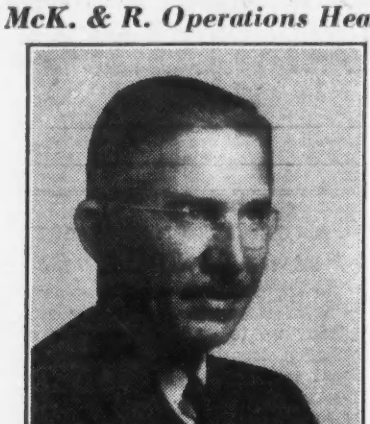
McCarthy Chemical Plant Commences Full Operation

First shipments of petrochemical products from the Winnie, Tex., plant of the McCarthy Chemical Company to the east were made recently. Three tankcars, one each of methanol, acetaldehyde and formaldehyde, marked the beginning of full operation of the plant, which was dedicated at ceremonies on last November 30.

Reheis Offers Chlorhydrol

The Reheis Company, Berkeley Heights, N. J., has added chlorhydrol to its line of fine chemicals. Described as a basic aluminum chloride with a pH range from 3.9 to 4.6, the product is said to have a high aluminum content and to dissolve freely in water to give a stable solution. In addition, it is said to be a fine granulation, having an apparent density of .094.

McK. & R. Operations Head



Judson C. Sutherland has been appointed to represent the New York office of McKesson & Robbins, Inc. as operations manager, a newly created position in the company's headquarters staff. As operations manager, he will work with company divisions and regional staffs throughout the country to improve its warehouse services and operation of its clerical and office functions.

Kenrich Producing New Synthetic Hydrocarbons

Kenrich Corporation, New York, has commenced production of a new type of synthetic resinous hydrocarbon under arrangements with the Socony-Vacuum Oil Company, who initiated its development and is seeking patent protection.

Offered under the trade name "Kenflex," the hydrocarbons are produced by catalytic condensation of specific alkyl naphthalene, followed by purification and high vacuum distillation. Because of their high degree of aromaticity, they are said to exhibit outstanding compatibility with a wide variety of resins

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Butyl Solvents Reduced

One producer of butyl alcohol and butyl acetate reduced the price of these solvents 1 cent per pound late Friday, to a level of 13 cents per pound in tankcars for both materials.

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OIT Eases Export Rules for Chemicals

A number of additions to the GRO list of products which may be exported from the United States to any destination in the world without the necessity of a validated license have been made by the Office of International Trade. The changes were effective July 8.

At the same time, OIT eliminated borontrifluoride from the GRO list so as to make it necessary to obtain a validated license to ship this product to Group R destinations.

In its latest additions to the GRO list the OIT added a number of organic and inorganic medicinal chemicals, as well as a large number of chemical specialties in the pesticide field. The following products have been added to the list:—

Schedule "B"

Coaltar Products—

802590 Dinitrocresol, ortho.

Inorganic Medicinal Chemicals, n.e.s.—

813593 Alum, potassium, USP; ammonium sulphate, purified; calcium oxide, NF; copper (cupric) sulphate, USP; ferrous ammonium sulphate; ferrous sulphate, USP; ferrous sulphide; potassium bicarbonate, USP; potassium sodium tartrates, USP; sodium and ammonium phosphate; sodium oxalate; sodium sulphide, purified; and zinc chloride, NF.

Organic Medicinal Chemicals, n.e.s.—

813595 Benzocaine, USP; charcoal decoloring powder; citric acid, USP; litmus cubes; mandelic (amygdalic) acid, NF; procaine hydrochloride, USP; protolysate (protein hydrolysate); tannic acid USP.

Chemical Specialties—

820200 Lead arsenate.
820300 Calcium arsenate.
820560 Paradichlorobenzene.
820580 D.D.T. containing 25% or more D.D.T. 100% basis.

Other Agricultural Pesticides—

820590 Benzene hexachloride; Bordeaux mixture (copper sulphate and lime); calcium cyanide (cyanogas); chlordane; copper acetoarsenite (paris green); copper arsenate; copper carbonate (fungicides; cryolite insecticides; cuprous oxide fungicides; D.D. (dichloropropane and dichloropropene); D.D.D. (dichlorodiphenyl dichloroethane); D.D.T. in less than 25% content; dinitro preparations; lethane; marlate (bismethoxyphenyl trichloroethane); methoxychlor; nicotine preparations, except sulphate and alkaloid; piperonyl butoxide; TDE (1; 1-dichloro-2; 2-bis (p-chlorophenyl) ethane); toxaphene (a chlorinated terpene); triton X-100; 2,4-D (dichlorophenoxyacetic acid).

Textile Specialty Compounds—

823850 Aridex; Beta soap; Duponal 189; Fenapal Developer O; Fenopon T; Fenopon T Conc; Humifen DA; Humifen O; Prestofen M Supra; Prestofen P; Prestofen V; Solvofen FI; Texop; zinc formaldehyde sulphoxylate Zn ($HSO_2CH_2O)_2$.

Other Cementing Preparations—

827400 Floor cement; floor patch; concrete; linoleum cement, except rubber; roofing cement; and wallboard cementing preparations.

Organic Surface-active Agents—

828800 Trex-40 emulsifier; alkyl aryl sulphonate; polyhydrin alcohol compound.

Ammonium Compounds, n.e.s.—

838500 Ferrous ammonium sulphate.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Chemicals, agricultural and industrial, Recife, Brazil (EB-7).

Equipment and supplies for Burma's health program, including drugs for treatment of leprosy, tuberculosis, malaria, venereal disease, and for a program of maternity care, child welfare, etc., Rangoon, Burma (EB-1).

Fertilizer, Recife, Brazil (EB-7).

Lard, Hamburg, Germany (EB-2); (EB-6, agency).

Linseed oil, Hamburg, Germany (EB-5).

Mineral oils, greases, Salonika, Greece (EB-3).

Perfumes, Colombo, Ceylon (EB-4, agency).

Sesame seed, Hamburg, Germany (EB-5).

Soybean oil, Hamburg, Germany (EB-5).

Tallow, Hamburg, Germany (EB-6, agency).

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence division of the United States Department of Commerce include the following, which are available from the division at $1 for a list for any one country:—

Chemical importers, dealers—Luxembourg.

Hospitals—Ecuador.

Ice plants—Italy.

Medicinal and toilet preparations—Finland, Algeria.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Barium fluosilicate.
Ergotamine tartrate.
Nitrocarbonic acid.
Para-ethyl phenol.
Phenylurethane sulphochloride.
Sulphydryl pentathionate.

Floor Wax Producers Protest Proposed Rules

Strong protests against the proposed rules of fair trade practice for the floor wax industry were entered by members of the industry at a conference July 11 with the Federal Trade Commission. About fifty representatives of floor wax and other wax products manufacturers attended the conference.

Complaints centered chiefly around the definitions of "wax" and "industry products," the point being that the definitions were improperly drawn, one point being that the definitions encourage monopoly in natural products, particularly carnauba wax, and another point being that if rules covering the industry's practices are necessary, they should be broad enough to cover all forms of household waxes and substitute products.

It was argued that the definition proposed to be applied to a wax product is one that was proposed by the commission staff in 1932 in the Miracle Wax Company case which the commissioners rejected. Industry members said that they could see no point in bringing up a definition in slightly modified form that takes no account of the technological progress of the industry.

Rule 2 proposes that the term "wax" shall not be used to designate a product whose wax content is less than 5 percent of the weight of the liquid type products or 10 percent of paste type products, or is less than 50 percent of the solids content of such products. It was argued that the use of these arbitrary percentages of wax content as a standard would lead to grave deception of the public. Products can be formulated, it was stated, to conform to the rule that should not be called waxes.

Oil Polish Not a Wax

An example would be a product composed of 50 percent of volatile naphtha, 45 percent paraffin in oil and 5 percent paraffin wax. Such a product would be an oil polish adulterated with wax and would leave an oil film. It meets the requirements of Rule 2, but it is not a wax, it was stated.

The representatives argued that the only practical test for determining whether or not a product may be called a wax without deceiving the public is a func-

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Carbon Black Sales Head

Max A. Minnig has been appointed sales manager of the carbon black division of the Witco Chemical Company, New York, effective August 15. Mr. Minnig will make his headquarters in Akron, Ohio, and will continue to serve as vice-president and a director of the Witco Carbon Company.

Quinidine Sulphate Lands In U.S. for Stockpiling

The first shipload of quinidine sulphate which the United States is buying from the Netherlands under the Marshall plan arrived in Hoboken, N. J., on July 11. The cargo, amounting to 50,000 ounces worth $70,000, was turned over to the bureau of Federal supply of the Treasury Department for stockpiling. It was purchased through the Economic Cooperation Administration.

The shipment, imported by the R. W. Greeff Company, New York, is one-fourth of the 200,000 ounces, valued at $268.200, which is being obtained from the Netherlands. Counterpart funds, which are accumulated as Dutch citizens pay their government for commodities supplied under the European Recovery program, are being used for the purchase. The ECA contract calls for delivery of the remainder of the order by September 1.

Washington Talks It Over

By Ralph L. Cherry

When the words, "sine die," have been written on the close of the present session of Congress, the chances are better than even that the only tax message that the legislators can take to their constituents will be:—"We tried to do something to lift the burden, but the leadership wouldn't let us." As matters now shape up the prospects of any tax reductions this session are rapidly diminishing, and frankly, they don't look too good for next year.

There has been some clarification of the President's position—at the moment—on the tax problem. He has tossed in the sponge on his proposal for a $4,000,000,000 increase in taxes, and has expressed his willingness to accept a bill repealing the tax on transportation of goods; liberalizing the loss carry-over provisions for corporations, and raising the rates on estates and gifts. But the writing of tax legislation cannot be held to such a simple program at this time—and the President knows it.

Sentiment in Congress is very much in favor of reducing taxes. It is being concentrated for the moment on repealing the wartime increases in the excise tax rates, but there is also widespread demand for easing the income tax burden both on individuals and corporations by raising exemptions. For the house ways and means committee to bring in a bill limited to the three points suggested by the President would immediately open the doors to a flood of amendments to broaden the scope of relief.

It is because of the fear that the house might run hog-wild in voting tax repeals if given the opportunity, that the leadership has carefully pigeonholed every tax bill that has been introduced in the house this session. The Republicans are trying to make political capital out of the sentiment for tax repeal by moving to bring the matter directly to the floor for a vote, but so far they haven't been able to get the required number of signatures to a petition.

For a while, it looked like the senate might grab the ball and push through a repeal bill, but it doesn't appear now that such as opportunity will arise. The senate bloc is attempting to repeal some of the excise increases via a rider to a minor bill having to do with subpena powers for the Commissioner of Internal Revenue, but the leadership has quietly laid the bill aside and hasn't included it in its plans for floor consideration.

It is quiet possible that the whole situation might be changed in a few weeks, and a green light given to a tax-relief bill. It depends largely on what is the final outcome in the fight for cutting government appropriations. If the economy bloc wins out and forces a curtailment of 5 percent to 10 percent in spending, the chances of a tax-repealer being passed would be improved—but there would still be the prospect of a presidential veto.

Avoiding Price Conspiracy

One sure-fire way of complying with the rule against price conspiracy in the rigid steel conduit case and staying out of jail was given recently by FTC Commissioner Lowell Mason and cited to the house during consideration of the O'Mahoney bill legalizing delivered pricing and freight-absorption practices. Says Mr. Mason:—

"Be sure you don't know your competitors' prices. In other words, be careful not to find out what prices are being charged by the fellows that make the same rubber-mounted shaving mugs you make. This is difficult.

"What happens when one of your salesmen walks into a store and offers a retailer your 1949 model of rubber-mounted shaving mugs at $13.75 the dozen. The first thing the purchasing agent says is, 'Why, you poor so-and-so. Glutz is selling his mugs for $12.95.

"This means the jig is up. For the minute you find out Glutz's price is $12.95, you know you are not going to sell any of your mugs unless you also come down to $12.95. And if you come down to $12.95 you are matching competitors' prices, and that, my dear friends, if carried out systematically, results in a conscious parallelism which, according to count 2 of the

—Continued on page 38

FTC Denies Motions in Corn Products, Steel Conduit Cases

The Federal Trade Commission on July 14 denied two motions asking dismissal of a complaint charging nineteen manufacturers of corn derivatives with conspiracy to fix prices and with price discrimination.

Earlier in the week, the commission had similarly denied a motion of rigid steel conduit manufacturers for a reopening of proceedings and modification of a cease and desist order so as to specifically permit the manufacturers to absorb freight and quote delivered prices.

Count one of the complaint against the corn products manufacturers charges the respondents with violation of the FTC act by combining to fix prices, terms and conditions of sale, with the result that competition in the industry has been suppressed. Count two charges them with price discrimination in violation of section 2 (a) of the Clayton act, as amended by the Robinson-Patman act.

Eight of the respondent manufacturers joined in one motion to dismiss the entire complaint. They were American Maize-Products Company, New York; Anheuser-Busch, Inc., St. Louis; Clinton Industries, Inc., St. Louis; Hubinger Company, Keokuk, Iowa; National Starch Products, Inc., New York; Penick & Ford, Ltd., New York; A. E. Staley Manufacturing Company, Decatur, Ill., and Union Starch & Refining Company, Columbus, Ind.

In the other motion, Corn Products Refining and its affiliates asked the commission to dismiss the complaint, or, as an alternative, to dismiss count one and issue a new complaint amending and making more specific the allegations of count two.

Three Opinions Written

The opinion denying the motions was written by Commissioner Garland S. Ferguson and Acting Chairman Lowell B. Mason and Commissioner William A. Ayres wrote concurring opinions. Both Mr. Mason and Mr. Ayres stressed the fact that they were expressing what they believe the law is, and not what it should be.

The rigid steel conduit case order, directed against a basing point system of delivered prices, was entered by the commission June 6, 1944, and subsequently was affirmed by the Seventh Circuit Court of Appeals and the Supreme Court of the United States.

All the commissioners joined in the decision to deny the motion to reopen and modify, with Mr. Mason filing a concurring opinion. In denying the motion the commission said:—

"The purpose of the requested modification is said to be to make clear that the order does not prohibit any of the

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LoBue Handling Michigan Chemical's Eastern Sales

Philip J. LoBue, head of the New York firm bearing that name, has been named to handle domestic sales in the east of the organic and inorganic bromides, pharmaceutical and industrial chemicals and DDT insecticides of Michigan Chem- and DDT formulations of Michigan Chemical Corporation, Saint Louis, Mich. He will combine his staff with that of Michigan Chemical, now located at 230 Park avenue, New York, where he will maintain offices until arrangements are completed for new quarters.

L. W. Gopp will be in charge of direct export sales for Michigan and will co-

Philip J. LoBue

operate with Mr. LoBue on export sales through domestic exporters. H. T. Hillard will act as office manager and will expedite eastern domestic and export activities with the Michigan plant at St. Louis.

Sales of Michigan's line of household and agricultural insecticides will be centered in Saint Louis. Charles F. Gerlach will head up agricultural sales and Warren Carroll, formerly of Sherwin-Williams Company, will be in charge of household sales.

Mr. LoBue was eastern representative for Michigan Chemical until he organized his own firm in January, 1947, to manufacture and sell para-aminosalicylic acid, procaine hydrochloride and other pharmaceutical chemicals. Before his original connection with Michigan Chemical, Mr. LoBue was associated with Merck & Co., Rahway, N. J.; J. T. Baker Chemical Company, Phillipsburg, N. J., and Power-Weightman-Rosengarten Company, Philadelphia. He is a former president of the Salesmen's Association of the American Chemical Industry.

Pittsburgh Glass Opens Chlorinated Benzene Plant

A chlorinated benzene producing plant has been placed in operation at Natrium, W. Va., by the Columbia Chemical Division of Pittsburgh Plate Glass Company. Under construction for more than a year, the plant adjoins a large chlorine and caustic soda producing facility constructed during the early war years. Estimated cost of the new plant is more than $1,000,000.

The new plant will produce monochlorbenzene, muriatic acid, paradichlorbenzene and orthodichlorbenzene as products in a continuous chemical process. Production of the chlorinated benzenes, basic chemicals in the organic field, marks the Columbia Chemical Division's entry into the field of organic chemical compound production.

In the continuous chemical process, muriatic acid and monochlorbenzene are the first products recovered. Hydrogen chloride is recovered as an anhydrous gas and then absorbed in water to produce muriatic acid of the desired strength. Monochlorbenzene in the process is separated by distillation. Paradichlorbenzene and orthodichlorbenzene are recovered last and separated by distillation and crystallization.

Lanolin Chemicals Output Planned by Botany Mills

Botany Mills, Inc., Passaic, N. J., is planning early production in quantity of a series of chemical materials derived from lanolin. Production of such materials has been carried out at various times in the past but usually on a limited, experimental scale.

Present planning by the company visualizes an annual production schedule as follows: lanolin, alcohols, 300,000 pounds; lanolin acids, 900,000 pounds; mixed lanolin aliphatic alcohols, 200,000 pounds; lanosterol, 54,000 pounds, and chloresterol, 45,000 pounds.

Botany officials point out that the quantity production so far planned involves essentially the basic or primary chemical reactions and separations necessary for the further development and exploitation of additional lanolin chemicals. Future planning provides for further separations and isolations of other important components of the primary mixtures, such as cetyl, ceryl and carnaubyl alcohols, the splitting of the mixed lanolin fatty acids into component elements and the production of semi-processed intermediates.

Pfizer Producing APF In Commercial Quantities

Chas. Pfizer & Co., manufacturing chemists, Brooklyn, N. Y., has started commercial production of "Bi-Con APF-6," a specially formulated biological concentrate for the feed industry, it was announced last week by John E. McKeen, executive vice-president.

Each pound of the concentrate contains the equivalent of 6.0 milligrams of vitamin B-12 activity, as determined by microbiological assay. "Bi-Con APF-6" is biologically assayed for the proper growth of poultry and certain livestock. Normally, feed manufacturers obtain APF by using animal protein sources, such as fish and meat scraps in the feed formulations.

Pfizer is continuing its work on the isolation of a purified vitamin B-12 from APF concentrate, and will shortly offer a highly purified vitamin for pharmaceutical use.

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4. Cans are tamper-proof.
5. Cans are easy to open and dispose of.

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, September 11-16.

American Association for the Advancement of Science, New York, December 26-31.

American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall, Atlantic City, N. J., October 13-15.

American Chemical Society, Atlantic City, N. J., September 18-23.

American Gas Association, Palmer House, Morrison and Sherman hotels, Chicago, October 17-20.

American Institute of Chemical Engineers, William Penn hotel, Pittsburgh, Pa., December 4-7.

American Oil Chemists Society, Edgewater Beach hotel, Chicago, October 31-November 2.

American Petroleum Institute, Chicago, November 7-10.

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 28-30.

American Soybean Association, Nicollet hotel, Minneapolis, Minn., September 6-8.

American Standards Association, Waldorf-Astoria hotel, New York, October 11-14.

Associated Chain Drug Stores, New Yorker hotel, New York, September 25-29.

Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, October 25.

Chemical Specialties Manufacturers Association (formerly NAIDM), Mayflower hotel, Washington, December 4-5.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.

Electrochemical Society, LaSalle hotel, Chicago, October 12-14.

Exposition of Chemical Industries, Grand Central Palace, New York, November 28-December 3.

Federal Wholesale Druggists Association, Atlantic City, N. J., October 5-8.

Federation of Paint and Varnish Production Clubs, Chalfonte-Haddon Hall, Atlantic City, N. J., November 3-5.

Independent Natural Gas Association of New York, Baker hotel, Dallas, Tex., October 31.

Independent Petroleum Association of America, Blackstone hotel, Fort Worth, Tex., October 2-4.

International Congress of Biochemistry, Cambridge, England, August 19-25.

International Congress of Military Medicine and Pharmacy, Mexico City, Mexico, October 23-29.

International Union of Chemistry, Amsterdam, Netherlands, September 6-10.

National Association of Retail Druggists, Seventy-First Regiment Armory, New York, September 18-22.

National Butane-Propane Association, Jefferson hotel, St. Louis, Mo., September 19-21.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 31-November 2.

National Lubricating Grease Institute, Roosevelt hotel, New Orleans, La., October 3-5.

National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N. J., October 31-November 1.

National Pest Control Association, Biltmore hotel, Los Angeles, Calif., October 17-19.

National Petroleum Association, Traymore hotel, Atlantic City, September 14-16.

National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.

Navy Industrial Association, Waldorf-Astoria hotel, New York, September 28.

North American Gasoline Tax Conference, Tahoe Tavern, Lake Tahoe, Calif., September 7-10.

Oil Trades Association of New York, Waldorf-Astoria hotel, New York, October 27.

Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.

Packaging Institute, annual forum, Commodore Hotel, New York, October 24-26.

Packaging Machinery Manufacturers Institute, Edgewater Beach hotel, Chicago, October 31-November 2.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 14; annual meeting, Commodore hotel, December 7.

Western Conference on Packaging, Packing and Shipping and Western Packaging Exposition, San Francisco Civic Auditorium, August 9-12.

Chemical Salesmen Golf Tomorrow at Montclair

The second golf outing of the Salesmen's Association of the American Chemical Industry will be held tomorrow at the Montclair Golf Club, Montclair, N. J. More than $300 in prizes will be distributed. The dinner will be served at 7:30 p.m.

ASTM Presents Award

The American Society for Testing Materials has awarded the first Sam Tour Award to V. M. Darsey and W. R. Cavanagh, president and research chemist of the Parker Rust Proof Company, Detroit, for their paper on "Apparatus and Factors in Salt Fog Testing," presented at the society's recent annual meeting. The award is given to encourage research on the improvement and evaluation of corrosion testing methods and to stimulate the preparation of technical papers in this field.

Synthetic Fuels Test Successful at Mo. Uuit

A significant development in the work on synthetic liquid fuels from coal was disclosed last week by James Boyd, director of the Bureau of Mines, with the announcement that a successful full-scale test run had been made in the new coal gasification unit at Louisiana, Mo.

At the same time, the bureau cited in a report that the possibility that byproduct chemicals obtained in producing liquid fuels from coal may become a principal source of basic ingredients for rapidly expanding manufacture of plastics, resins, lacquers, pharmaceuticals, solvents and explosives.

A preliminary six-hour test run was made in the Louisiana gasifier on May 4. However, only one of the six burner tubes was used in this initial test conducted below design rates and below normal operating temperatures. There was no evidence of any undesirabe trend or condition at the time of the voluntary shutdown.

Recently, as part of a ten-hour period of operation, a four-hour test was made with all six burners operating at design capacity and with gasifier temperatures averaging about 2,200 degrees F. Again the operation was all that could be expected at this stage of the development, and the shutdown was made voluntarily with no conditions in sight that might have forced it.

Considerable work remains to be done before the gasifier is put in continuous operation. However, the trial runs apparently could have been maintained over longer periods and are deemed encouraging as to the ultimate success of the operation.

The bureau's Report of Investigations 4467, "Some Chemicals from Synthetic Liquid Fuels Processes," may be obtained by writing to the publications distribution section of the bureau at Pittsburgh 13.

It states that important byproducts of the Fischer-Tropsch synthesis include water-soluble organic chemicals used in the cellulose plastics and fibers, acetate rayon, pharmaceutical and aliphatic industries, as well as wax and alcohols. From the Bergius process, plastics and tar bases for pharmaceuticals may be obtained, in addition to benzene, toluene and xylene for explosives manufacture and solvents. These, and other, byproducts, according to the publication, "will be available in sufficiently large quantities to have a tremendous economic effect upon established sources and uses," when commercial synthetic fuels plants are operating.

Canadian Plant Food Makers Discuss Fertilizer Supplies

Supplies of superphosphate are adequate for current and future needs, according to William Caspari, jr., general sales manager of the superphosphate and phosphate rock divisions of the Davison Chemical Corporation, Baltimore, who discussed factors affecting production and distribution of superphosphate before the recent fourth annual conference of the Plant Food Producers-Quebec, at Murray Bay, Quebec.

Mr. Caspari told the Canadian group that supplies of phosphate rock and sulphur are in adequate supply, with Florida supplying about 8,000,0000 tons per year of phosphate rock. While the sulphur situation is in good order, he said, sulphuric acid is in very tight supply, especially on the eastern seaboard and in the north central states, even though there has been a decline in the straight chemical use of this important material.

"Industry has kept pace with demand," Mr. Caspari said. "by increasing rated capacity of 8,000,000 tons in 1940 to 14,000,000 tons today." However, rated ca-

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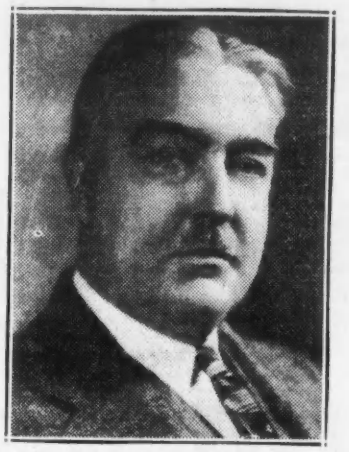
Jefferson Names Peppel New Laboratory Director

The Jefferson Chemical Company, New York, has appointed Dr. William J. Peppel director of its new laboratories in Austin, Tex., and has named Charles H. Novotny manager of the laboratories. Dr. Peppel will be in charge of technical activities, while Mr. Novotny will be responsible for general management, including construction, purchasing, services and public relations.

Assisting Dr. Peppel in the direction of the various divisions will be:—John W. Waldron, assistant director of the laboratories and director of the process development division; Dr. J. David Malkemus, director of the products application division; Granville W. Burtt, director of the analytical and testing division, and Martin M. Padwe, librarian in charge of the library and abstracting division.

Awarded SCI Medal



Dr. Foster Dee Snell, president of Foster D. Snell, Inc., consulting chemist and engineer, New York, was presented with the gold medal of the Society of Chemical Industry at the annual meeting in Manchester, England, on July 13. The medal is awarded biennially by the society's council to a person "who has attained eminence in applied chemistry."

DCAT Plans Revision Of 'Official Tares'

The Drug, Chemical and Allied Trades Section of the New York Board of Trade has proposed revisions of its "Official Tares." Interested persons have been invited to comment on the proposed revisions and should communicate with James G. Flanagan, chairman of the tare committee, at DCAT headquarters. The proposed revisions are as follows:—

The following shall be considered "Official Tares" of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, for original packages of products classified as follows:—

1. Spices: Pepper, black and white, 2 percent; pimento, 3 pounds per bag; Ceylon cinnamon, actual shipping tares; tapioca, 2 pounds per bag.
   All other spices in bags or bales, unless otherwise provided for, actual average tare on 5 percent of 100 packages or more; on 10 percent of less than 100 packages. When packed in double bags actual average tare to be allowed for outside bag. If in cases or barrels, tares of such spices to be similarly ascertained and marked tares adjusted on the basis of the test tares.
2. Water soluble gums: Actual average tare established on at least 5 percent of the number of bags or containers in the shipment; or invoiced tare at buyer's option.
3. Botanical drugs—leaves, barks, roots, and related items:—
   A. In bales and bags—25 cents or less per pound—gross for net; otherwise actual tares.
   B. Cases, tins, casks and barrels—actual tares.
   C. Exceptions to A and B—
      (1)—Seeds (except where American Spice Trade Association standard contract is used): anise, fennel, psyllium, celery, etc., 40 percent or less per pound—gross for net. When packed in double bags actual average tare to be allowed for outside bag (Tare to be determined as provided for in paragraph 1 above under Spices). Over 40 cents per pound, actual tare.
      (2)—Agar—net shipping weight.
      (3)—Aloes—Cape, 12½ percent. All other types, invoiced tare.
      (4)—Senna leaves or pods—invoiced tare.
      (5)—Cuttle fish bone, single boxes, net shipping weight.
      (6)—Sarsaparilla root—Mexican gross for net. All other types usually invoiced tare.
      (7)—Gambir and cutch (however packed), invoiced tare.
4. Chemicals: Actual tare.
5. Essential oils, balsams and aromatic chemicals: Actual net weight.
6. Insecticides: Pyrethrum and derris, net shipping weight.
7. Rodenticides: Red squill, net shipping weight.

Iodine Data to Be Published

A new bi-monthly periodical, *Iodine Abstracts and Reviews*, is being prepared by the Iodine Fellowship at Mellon Institute, Pittsburgh, to provide summaries of scientific and technical literature relating to the uses of iodine and its compounds in chemistry and in the industries. From time to time there will be presented reviews of specific phases of the science and technology of iodine. Complimentary subscriptions may be secured by addressing the Iodine Educational Bureau, 120 Broadway, New York 5, N. Y.

Lindane Approved For Dairy Barn Use

Another insecticide for use as a residual spray for fly control in dairy barns was recommended on July 18 by entomologists of the Department of Agriculture. It is the essentially pure gamma isomer of benzene hexachloride, now known by the common name—lindane. Until more is known, the bureau of entomology and plant quarantine does not recommend that lindane be used on dairy cattle for insect control nor that it be applied to forage that is to be fed to dairy cattle or animals being finished for slaughter.

Lindane consists of at least 99 percent gamma isomer of benzene hexachloride and contains only traces of the other isomers. This highly refined material is practically free of objectionable "musty" odor. Its toxicity from a chronic standpoint to humans is considerably less than that of technical benzene hexachloride, according to the department.

Insecticides made from lindane will be marketed as wettable powders containing 25 percent of the chemical and as emulsion concentrates containing 20 percent. The bureau of entomology and plant quarantine recommends that where lindane insecticides are used as residual treatments, the finished spray should contain three-tenths to one-half of 1 percent of lindane. The lower concentration is obtained by adding 10 pounds of the 25 percent wettable powder or one and one-half gallons of the 20 percent emulsion to 100 gallons of water.

Lindane spray should be applied so as to wet all treated surfaces thoroughly to the point of run-off. The amount of spray required to wet surfaces in most dairy barns without run-off will vary, but usually one gallon will treat 500 square feet of surface. Smooth, nonporous surfaces

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DDT Use Encouraged By Better Business Bur.

Disputing widely circulated "scare" statements which have alarmed and misled the public into the belief that any use of DDT is hazardous to health, the National Better Business Bureau declared on July 11 that "there is no reason why properly labeled household insecticides containing DDT should not be advertised and sold to the public."

The bureau's statement was issued to allay fears which have led some manufacturers, retailers and other distributors to withhold needed supplies of DDT from sale, according to Allan E. Backman, NBBB editor of "Do's and Don't in Advertising Copy."

"It is well recognized that DDT, like other insecticides, is a poison," Mr. Backman stated, "and if sprayed on food or cooking utensils or otherwise foolishly used, it can cause harm. However, insecticides containing DDT must be registered with the Department of Agriculture and the law requires that they be labeled with directions for use adequate to prevent injury.

"With this in mind, K. B. Willson, NBBB operating manager, recently asked the principal government agencies concerned

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DDT Insecticides Regulations Revised

The Insecticide Division of the Department of Agriculture announced July 14 an amendment to interpretation No. 16 of the labeling requirements for insecticides containing DDT, issued under the Federal insecticide, fungicide and rodenticide act, to reduce the recommended amount of DDT used for mothproofing, and to make the interpretation conform to the new recommendations against the use of DDT in dairy barns and on dairy cattle.

Paragraph (j) (2) of interpretation No. 16 provided originally for labeling of DDT products as mothproofing of wearing apparel and carpets which contained 1 percent of DDT. In its modified form the interpretation cuts this percentage in half to 0.5 percent.

Paragraph (k), relating to directions for use of DDT against insects infesting livestock, was changed only to exclude dairy animals from among the animals on which DDT is recommended for use to control insects. The interpretation states that DDT should not be used on dairy animals or on forage to be fed dairy animals or animals being finished for slaughter, nor should it be used in dairy barns pending adequate tests which show that under the proposed conditions of use it will not cause contamination of milk.

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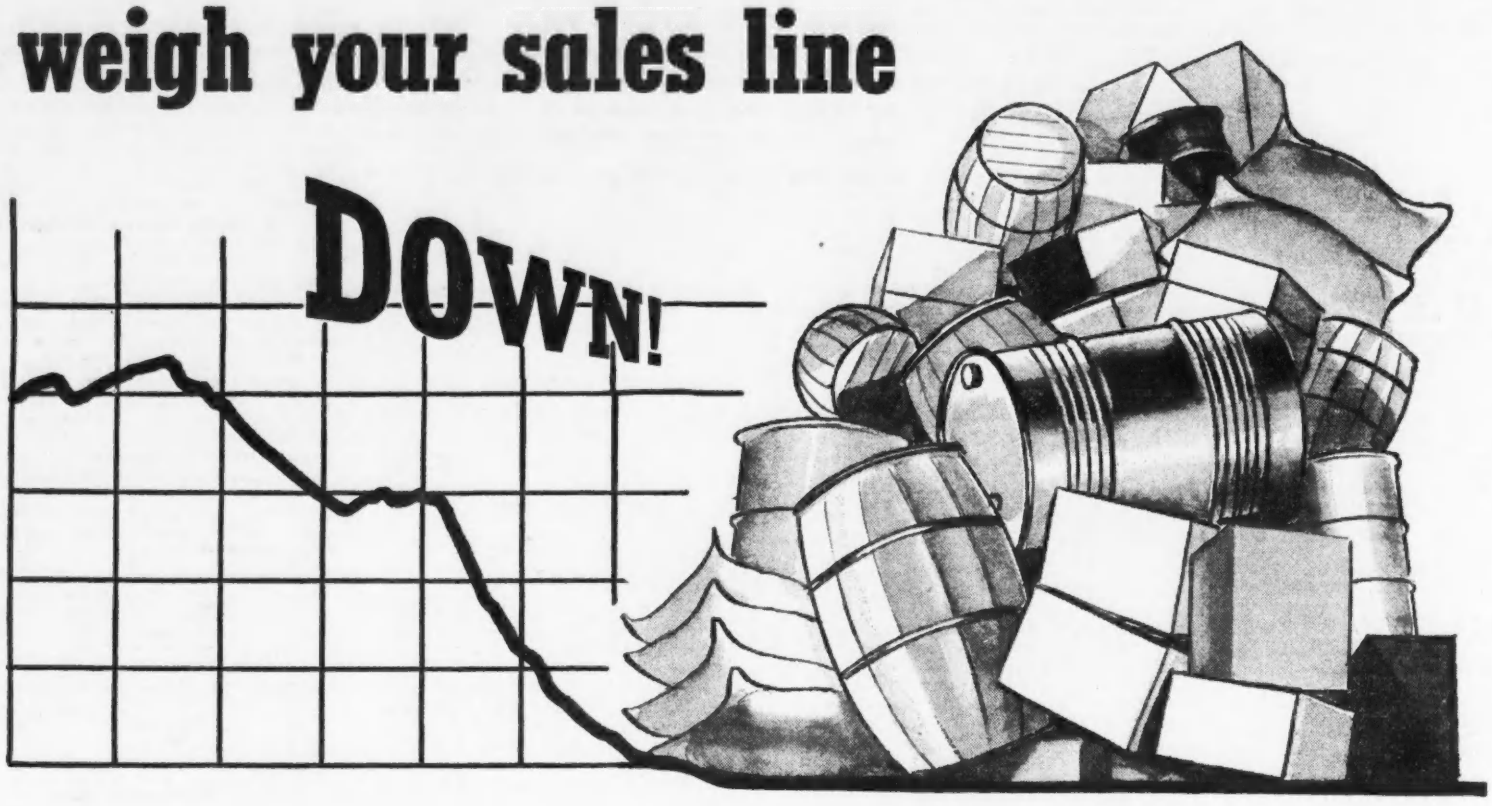

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Current Market Quotations

Chemicals and Related Materials

July 15, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acenaphthene, m.p. below 92.5 C., dms., works lb. .40 - —
above 92.5 C, dms., works lb. .50 - —
Acetaldehyde, 99%, dms., c.l., works. lb. .11½- .12
l.c.l., works lb. .12 - .13
tanks, works lb. .09½- .10
Acetaldol (see Aldol).
Acetamide, CP, fib, dms lb. .65 - .75
tech., fib, dms lb. .38 - .43
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., frt. alld. E lb. .14½- —
tanks, frt. alld. E lb. .11½- —
Acetoacetanilide, bbls., dlvd lb. .67½ —
fib. dms., c.l., dlvd lb. .66½- —
l.c.l., dlvd lb. .67½- —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller tots, same basis lb 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd. lb. 1.15 - —
fib. dms., c.l., works lb. 1.14 - —
l.c.l., works lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .09½- .10
tanks, dlvd lb. .07½ —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .40 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.33
Acetophenone, cns., dms lb. 1.30 - 1.35
tech., l.c.l., dms., works lb. .75 - —
Acetoacetoparaphenetidide, dms., 500 lbs. or more, works. lb. 1.65 - —
smaller lots, same basis lb 1.90 - —
Acetyl chloride, cbys., works lb. 50 - .60
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47
Acid, abietic, dms., c.l., works lb. .07½- —
Acetic, com'l or redist., 28%, bbls 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.00 - —
70%, bbls 100 lbs. 8.40 - —
80%, bbls 100 lbs. 9.40 - —
glacial, synthetic, CP, dms., works 100 lbs.13.00 - —
USP, cbys., works 100 lbs.15.50 - —
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 -10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran. (30-40 mesh) powd. (80 mesh), bbls. same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 3,000 lbs. 1 shipt., dms lb. .49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works lb. .26½ —
Aminoacetic, NF, bbls., frt. ad. justed lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 1.10
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kgs lb. .20 .22
Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 1.75
l.c.l., E. works 100 lbs. 2.15 2.35
Benzoic, tech., bbls., dms., 100 lbs. or more lb. .43 —
USP, bbls., dms., 100 lbs. up lb. .54 - —
Betaoxynaphthoic, bbls., works lb. 1.25 - —
Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots, ex whse, N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi ton.180.00 - —
less ton lots, same basis. ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots ex whse., N. Y. or Chi ton.135.00 - —
less ton lots, same basis. ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi ton.155.00 - —
less ton lots, same basis. ton 160.00 - —
bulk, c.l., works ton.86.75 - —
powd., bgs., c.l., works ton.95.25 - —
ton lots, ex whse., N. Y. or Chi ton.140.00 - —
Boric, tech., 99½%, powd., less ton lots, same basis ton.145.00 - —
bbls., c.l., works ton.115.25 - —
ton lots, ex whse., N. Y. or Chi ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bulk, c.l., works ton.91.75 - —
USP $25 per ton higher.
Broener's, bbls lb. 1.34 - —
Butyric, 99%, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 —
Cacodylic, bots. lb.12.00 -13.00
Camphoric, natural, dms lb. 6.00 6.75
synth., dms lb. 5.25 - 7.00
Capric, tech., dms lb. .50 - .50½
Caprylic, 99%, dms lb. .50 - .50½
Castor oil, split, dms lb. .21 - .22
Chlorosulphonic, dms., c.l., works. lb. .03 —
l.c.l., works lb. .03½- .04½
tanks, works lb. .02½- —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½ —
l.c.l., works lb. .26 - .27
USP, 5 lb. bots. lb. .32 - —
Cinnamic, refd., bots lb. 2.50 - 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½ —
10,000 lbs., 1 ship't lb .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½ —
Anhydrous citric acid powder, ½c. per lb. higher.
USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb .28 - —
smaller lots lb .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .65 .66
Coconut oil, dist., dms lb. .21¼- .22¼
double dist., dms lb. .23¼- .24¼
Corn oil, s.d., dms lb. .10 Nom.
Cottonseed oil, dist., dms lb. .09½- .10½
Cresylic, dom., coaltar, high boil 50% (above 207° C), dms., c.l., frt. equald., works. gal. .91 - 1.16
l.c.l., same basis gal. .94 - 1.19
tanks, same basis gal. .80 - 1.05
low boil, 50% (204°-207° C), dms., c.l., same basis gal. .96 - 1.21
l.c.l., same basis gal. .99 - 1.24
tanks, same basis gal. .85 - 1.10
Acid, cresylic, dom., petroleum, 179°C to 198°C, San Francisco and Los Angeles, tanks gal. 1.00 - —
193° to 213° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .95½- —
l.c.l., same basis gal. .97½- .99½
tanks, same basis gal. .85 - —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .77 - —
l.c.l., same basis gal. .79 - .81
tanks, same basis gal. .665 - —
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 72½- —
l.c.l., same basis gal. .74½- .76½
tanks, same basis gal. .62 - —
Crotonic, bbls., Canadian, works lb .35 - —
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .22 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb. .29½ —
F, bbls., works lb. 1.87 - 1.93
Folic, bots., fib. ctns., kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .13 - .13½
l.c.l., works lb. .13½- .14
90%, cbys., c.l., works lb. .13½- .14
l.c.l., works lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000 lb. lots lb. 1.43 —
smaller lots lb. 1.46 1.48
Gamma, bbls lb. 1.20 - —
Gluconic, tech., 50%, bots lb. .23 .31
dms. lb. .14 —
kgs. lb. .16 —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 - —
Glycerophosphoric, 35%, dms., works lb. 2.15 - —
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½- —
Hydriodic, 45-47%, cbys lb. 2.69 —
57%, cbys lb. 2.83 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .38 —
tech., 48%, cbys., dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .35 .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb. bots lb. .35 - —
Acid, hydrofluoric, anhyd., cyls., works lb. .19 - .19¼
tanks, works lb. .18½- —
30%, wood or rubber, dms., works lb. .08½- .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —
Hypophosphorus, USP, djns lb. .75 - .77
J, bbls., works, 20% basis lb. 2.50 - —
L, bbls., works lb. .95 - —
Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 20 bbls. or more. lb. .28½- .332
plastic grade, 50%, bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .87 - —
Lauric, dist., 85-90%, dms lb. .28 - .28¼
60%, dms. lb. .25 - .25½
Linseed oil, reg dist., dms lb. .3180- .3230
water white, dms lb. .3480- .3530
Maleic, powd., dms lb. .30 - .31
Anhydride (see M).
Malic, dms. lb. .47 —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 - 2.10
Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0085- .009
Molybdic, dms., 85%-92%, works lb. .92 - .95
Monochloroacetic, purified, flake, 99%, dms lb. .22½- .23¼
tech., flake, 96-97%, bbls lb. .18 - .19
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton.25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14¼ .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - .91
Nicotinic, USP, dms., works kilo. 8.00 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 - .13¼
5 pint bottles extra, cs., c.l., frt. equald lb. .15½- —
l.c.l., same basis lb. .17 - .18
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14½- —
10,000 lbs., works lb. .14¾- .15
smaller lots, works lb. .15¼- .15¾
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs., works lb. 3.75 —
smaller lots, same basis lb. 3.85 4.00
technical, dms lb. 1.84 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb.14.00 -15.00
smaller lots lb.14.05 -16.00
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 —
Paratoluidinmetasulphonic, bbls., works lb. .92 .93
Peanut oil, s.d., dms lb. .12¼ Nom.
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb. 1.51 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	divd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	No.	number
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
artif.	artificial	E.	east	oz.	ounce
ASTM.	American Society for Testing Materials	e.p. equald.	end point equalized	Pac.	Pacific
		F.	fahrenheit	pf.	proof
Be.	Baume	ferment.	fermentation	phos.	phosphate
bgs.	bags	ffa.	free fatty acid	photo.	photographic
bbls.	barrels	frc.	free from chlorine	pkgs.	packages
bls.	bales			powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	pt.	point
				pulv.	pulverized
b.r.	boiling range	frt.	freight	purif.	purified
bxs.	boxes	fus.	fused	redist.	redistilled
C.	centigrade	gal.	gallon	refd.	refined
cbys.	carboys	gran.	granular	refy.	refinery
CD	completely denatured	grd.	ground	reg.	regular
		i.&a.	iron and aluminum	resub.	resublimed
c.i.f.	cost, insurance, freight			ret.	returnable
cks.	casks	i.b.p.	initial boiling point	SD	specially denatured
c.l.	car lots			s.d	single distilled
cns.	cans	imp.	imported	S. E.	southeast
col.	color	incl.	included	secs.	seconds
com'l	commercial	indust.	industrial	s.g.	specific gravity
conc.	concentrated	kgs.	kegs	ship't	shipment
CP	chemically pure	lacq.	lacquer	solut.	solution
cps.	centipoises	lb.	pound	s.u.	standard unit
cryst.	crystal	l.c.l.	less than car lots	synth.	synthetic
cs.	cases	liq.	liquid	tech.	technical
ctns.	cartons	m.a.p.	mixed aniline point	USP	U S Pharmacopoeia
cyls.	cylinders	min.	minimum	vis.	viscosity
dbl.	double	m p.	melting point	VM&P	varnish makers & painters
denat.	denatured	N.	nitrogen	W	west
dest.-dist.	destructive-distilled	nat.	natural	w.w.	water white
dextro.	dextrorotatory			whse.	warehouse
dist.	distilled				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Phosphoric—Alphanitronaphthalene

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls. lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls. lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb 2.45 - 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .38 - —
USP, cryst., bbls., c.l. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .52 - —
l.c.l., works lb. .54 - .58
Soybean oil, single dist., dms lb. .1160- .1325
double dist., dms lb. .1260- .1425
Stearic, double pressed, bgs lb. .13½- .14½
single pressed, bgs lb. .13 - .14
triple pressed, bgs lb. .15¾- .16¾
Succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., works lb. .17 - —
Sulphuric, 50° Be, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton.13.75 - —
66°Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.17.00 - —
98%, tanks, E. works ton.18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¼- .13¾
fuming, 20%, tanks, E works. ton.19.00 - —
Tallow, dist., dms lb. .09½- .10½
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots. lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., 230, 250 lb. dms., 10,000 lbs., 1 ship't lb. .34½- —
smaller lots lb. .35 - —
100-lb. dms lb. .36 - —
small, dms lb. .38 - .40
imported, kgs lb. .34 - .36
Thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works, l.c.l. lb. .20 - —
c.l., tanks lb. .18½- —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .70 - .75
Aconitine, amorph., mild, bots. oz.27.50 -32.50
cryst., potent, bots oz.85.00 - —
Acrylonitrile, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar, USP, Kobe, No. 1 strip lb. 2.60 - 2.80
Agaric, white, bls lb. 1.50 - 1.75
Agrimony herb, bls lb. .35 - .40
Alanine, dextro-laevo, dms., works, dried, soluble) lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls. lb. 2.26 - 2.30
powd., bbls. lb. 2.31 - 2.35
tech., cryst., bbls lb. 1.10 - 1.20
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd works lb. .31½- —
works lb. .32½- —
l.c.l., dlvd works lb. .32½- —
works lb. .33 - —
tanks, dlvd works lb. .30 - —
works lb. .31 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss. lb. .18 - —
l.c.l., frt. alld. E. of Miss. lb. .19 - —
tanks, frt. alld. E. of Miss. lb. .17 - —
(see also Fusel oil, ref.)
Alcohol, amyl, fermentation, refined, 126-132°C, dms., c.l., dlvd. lb. .33½- —
l.c.l., dlvd lb. .34½- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, dms. lb. .60 - .88
tech., dms., works, frt. equald. lb. .45 - .50
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld. lb. .15½- —
l.c.l., frt. alld. E. lb. .16½- —
tanks, frt. alld. E. lb. .14 - —
tankwagon, frt. alld. E. lb. .14½- —
other production, dms., c.l., frt. alld. E. lb. .15½- —
l.c.l., frt. alld. E. lb. .16½- —
tanks, frt. alld. E. lb. .14 - —
synthetic, normal, dms., c.l. frt. alld. E. lb. .15½- —
l.c.l., frt. alld. E. lb. .16½- —
tanks, frt. alld. E. lb. .14 - —
Normal synthetic butyl alcohol prices 1c. per lb. higher.
secondary, dms., c.l., dlvd lb. .11½- —
l.c.l., dlvd lb. .12 - —
tanks, dlvd lb. .10 - —
tertiary, dms., c.l. lb. .13½- —
l.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .42½- —
l.c.l., dlvd. E. of Miss. R. gal. .46½- .51½
tanks, dlvd. E. of Miss. R gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .41½- —
l.c.l., same basis gal. .45½- .50½
tanks, same basis gal. .31½- —
SD2B, dms., c.l., E. of Miss. R. gal. .40 - —
l.c.l., same basis gal. .44 - .49
tanks, same basis gal. .30 - —
SD23H, dms., c.l., dlvd. E. of Miss. R. gal. .43 - —
l.c.l., same basis gal. .47 - .52
tanks, same basis gal. .33 - —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R. gal. .40½- —
l.c.l., same basis gal. .44½- .49½
tanks, same basis fal. .30½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., dlvd. E. Miss. R. gal. .42½- —
l.c.l., same basis gal. .46½- .51½
tanks, same basis gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd lb. .13½- .16½
l.c.l., dlvd lb. .14 - .17½
tanks, dlvd lb. .12 - .15
tech., dms., c.l., dlvd lb. .14 - .15½
l.c.l., dlvd lb. .16 - .16½
tanks, dlvd lb. .12½- .14
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal.17.49 - —
l.c.l., same basis gal.17.53 -17.58
tanks, same basis gal.17.39 - —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .39 - —
l.c.l., same basis gal. .43 - .48
tanks, same basis gal. .29 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal.18.44 - —
l.c.l., same basis gal.18.48 -18.53
tanks, same basis gal.18.34 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Iso-octyl, dms., c.l., works lb. .29½- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd. gal. .38 - —
l.c.l., dlvd gal. .41 - —
tanks, dlvd gal. .28 - —
95%, dms. incl., c.l., dlvd. gal. .39½- —
l.c.l., dlvd gal. .42½- —
tanks, dlvd gal. .29½- —
NF, 99%, dms. incl., c.l., dlvd. gal. .41 - —
l.c.l., dlvd gal. .44 - —
tanks, dlvd gal. .31 - —
Methyl (see Metnanol).
Methylamyl (see carbinol, methylisobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots. lb. 2.15 - 3.25
technical (see Octanol normal).
Panto(thenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09½- —
works lb. .08 - —
l.c.l., dlvd lb. .10 - —
works lb. .08½- —
tanks, dlvd lb. .08 - —
works lb. .06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia. lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs. lb. .45 - .50
Allspice, Jamaica (see Pimento).
Mexican, bgs lb. .14 - .14¼
Allyl bromide, cboys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, cape, cs lb. .24 - .25
Curacao, kgs lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 - 4.40
Alphanitronaphthalene, bbls lb. .24 - —

Dress up your bulk shipments in

Decorated LEVERPAK DRUMS

choice of 17 colors... choice of 14 inks

NOW YOU CAN deliver your dry bulk products in style—make them part of your package "family"... traveling billboards through all stages of use and reuse.

Continental can supply you with improved Leverpak drums in any of seventeen eye-catching colors. We can reproduce your name and trademark in any of fourteen different inks. And there's no waiting for this service. We're set up to start the drums rolling your way as soon as you give us the word.

LEVERPAKS—unpainted or in colors—are the best-looking, most serviceable fibre shipping drums we have ever turned out. They load compactly and ride safely. The patented locking device is easy to open, easy to close. Metal chimes are flash butt welded for greater strength.

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CABLE—"WILNEUBERG"

Alphapicoline—Antimony Oxide

Alphapicoline, ret. dms., c.l., works, frt. equald. lb. .27 - .30
l.c.l., works, frt. equald. lb. .29½- .30
Alphapinene, tanks, South, works gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .18 - —
Alphatocopherol, bots. kilo.450.00 - —
Acetate, bots. kilo.450.00 - —
Althea root, NF, peeled, bls lb. .30 - .40
Alum, ammonia, gran., bbls., works, 100 lbs. 3.80 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾- .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, hydrous, bbls. lb. .07¾- .08
Potash-chrome, bbls lb. .12½- .15
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .0365- —
l.c.l., works lb. .03¼- .07¼
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., dlvd lb. .10 - —
l.c.l., dlvd. lb. .10½- —
cryst., com'l, dms., c.l., works lb. .0650- —
l.c.l., works lb. .0690- —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., frt. equald. lb. .10 - —
l.c.l., frt. alld. lb. .11 - .13
Aluminum formate, basic solution, cbys., c.l. lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald. ton.50.00 -54.00
l.c.l., works ton.72.00 -86.00
light, bgs., dlvd lb .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .27 - —
pigs, 10,000 lbs lb. .16 - —
Naphthenate, liq., 1.7%, frt alld. lb. .24½- .25
Oleate, dms., contract lb. .43¾- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld. lb. .14 - .15
kgs., ton, frt. alld. lb. .12¼- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld. lb. .32 - .33
kgs., frt. alld. lb. .31 - —
500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld. lb. .34 - —
Aluminum oxide, crystalline, flour, classified, 600 mesh, dms., frt alld. lb. .51 - .53
kgs., frt. alld. lb. .50 - —
optical, floated, kgs., dlvd lb. .36 - .36
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld. lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb.13.50 - —
jars, works lb.15.00 -17.00

Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .43½- —
unpolished, standard, dms lb. .44½- —
varnish, standard, dms lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .34 - —
Stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —

Aluminum sulphate, com'l, bgs., c.l., works, equald. 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
Iron-free, bgs., c.l., works, frt. equald. 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins oz. 8.50 -12.00
Aminoazotoluene, bbls: lb. .85 - —
Aminomethylpropanol, cns., dms., works lb. .80 - .90
Aminoethylethanolamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Aminophylline, USP, bots., kgs lb. 6.00 - —
Aminopyrine, USP, bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -75.00
pure, cyls., extra lb. .17 - .21½
refrigeration, tanks, works ton.77.50 - —
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald. 100 lbs. 6.55 - —
l.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works. ton.80.00 -81.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld. lb. .80 - —
smaller lots, frt. alld. lb. .81 - 1.00
Biborate, bbls., c.l., works ton.302.00 - —
ton lots, works ton.355.50 - —
less ton lots, works ton.360.50 - —
Bicarbonate, dms., works, c.l. lb. .05½- —
l.c.l., works, dms lb. .06 - —
Bichromate, bbls., works lb. .26 - .30
Bifluoride, dms., dlvd lb. .18 - .18½
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .18½- .22
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms lb. .18 - .19
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.94 - 4.06
Linoleate, plastic, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld lb. .21½- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, metal grade, kgs lb. .90 - —
chemical grade, bbls., kgs lb. .85 - —
A.C.S., grade, dms lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton.63.00 - —
dom., bgs., western works ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va. ton.46.00 - —
Oleate, dms. lb. .30¾- —
Oxalate, fine gran., dms lb. .25 - .29
dms., 100 lbs., lots lb. .27 - .31
Pentaborate, gran., bbls., c.l., works ton.212.00 - —
ton lots, works ton.265.50 - —
less ton lots, works ton.270.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works, lb. .08 - —
l.c.l., works lb. .08½- —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½- —
Salicylate, NF, dms., kgs lb. 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Stearate, 28%, dms lb. .21 - .31
paste, dms lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, bulk, producing ovens ton.45.00 -50.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works, lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd. or frt. alld. lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys. lb. 1.70 - 2.25
commercial, same basis lb. 1.40 - 1.95
Thiosulphate, jars lb. .32 - .36
Amphetamime hydrochloride, bots lb.45.00 -46.00
Phosphate, bots lb.45.00 -46.00
Amyl acetate, ex fusel oil, tech. dms., c.l., dlvd. lb. .19½- —
l.c.l., dlvd lb. .20½- —
tanks, dlvd lb. .18½- —
ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .19½- —
l.c.l., same basis lb. .20½- —
tanks, same basis lb. .18½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works lb. .07 - —
l.c.l., works lb. .08 - —
tanks, works lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works lb. 1.10 - —
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, com'l, dms., works lb. .50 - —
NF, cns., dms lb. .77 - .82
Angelica root, dom., bls lb. .70 - .80
imported, bls. lb. .98 - 1.00
Angostura bark, bls lb. .42 - .50
Anilin oil, dms., c.l., works, frt. alld. lb. .16 - —
l.c.l., works, frt. alld. lb. .17 - —
tanks, works, frt. alld. lb. .15 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs. lb. No stocks.
Chinese, star lb. .12½- .13
Cyprus, bgs lb. .20 - .20½
Mexican, bgs lb. .14½- .15
Syrian, bgs lb. .14½- .15
Anisic aldehyde, bots., dms lb. 2.05 - 2.20
Annatto paste, bxs lb. .34 - .37
Seed, bgs lb. .20 - .21
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb. .29 - .30
Metal, bulk, c.l., mines lb. .38½- —
Oxide, ceramic grade, bgs., c.l., dlvd. lb. .32 - .34
l.c.l., dlvd lb. .33 - .35
paint grade, bgs., c.l., works. lb. .35¾- .36
l.c.l., works lb. .36¾- .37

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HYDRATED LIME — A fine white, fluffy material, widely used in bleaching powder, causticizing reactions, acid neutralizing and pH control.

ALUMINUM FLUORIDE — Fluxing agent for non-ferrous metals and a constituent of ceramic mixes—supplied in briquette form.

MICRONIZED* PRODUCTS — Reduced by 'jet-pulverizing' to ultra-fine particle size. Most "Alcan" chemicals can be supplied in this form and exhibit unusual properties.

MAGNESIA "90" — A 90% magnesia product suitable for refractory, chemical and metallurgical use—available in granular and ground form.

ARTIFICIAL CRYOLITE — Used for aluminum reduction, for fluxing of non-ferrous metals and as an ingredient of ceramic mixes. Supplied in briquette and powder form.

ALUMINUM SULPHATE — A 'double-feature' product—it replaces iron-free alum for most purposes because of its low iron content, but sells at commercial grade prices. Available in ground, ingot and lump form.

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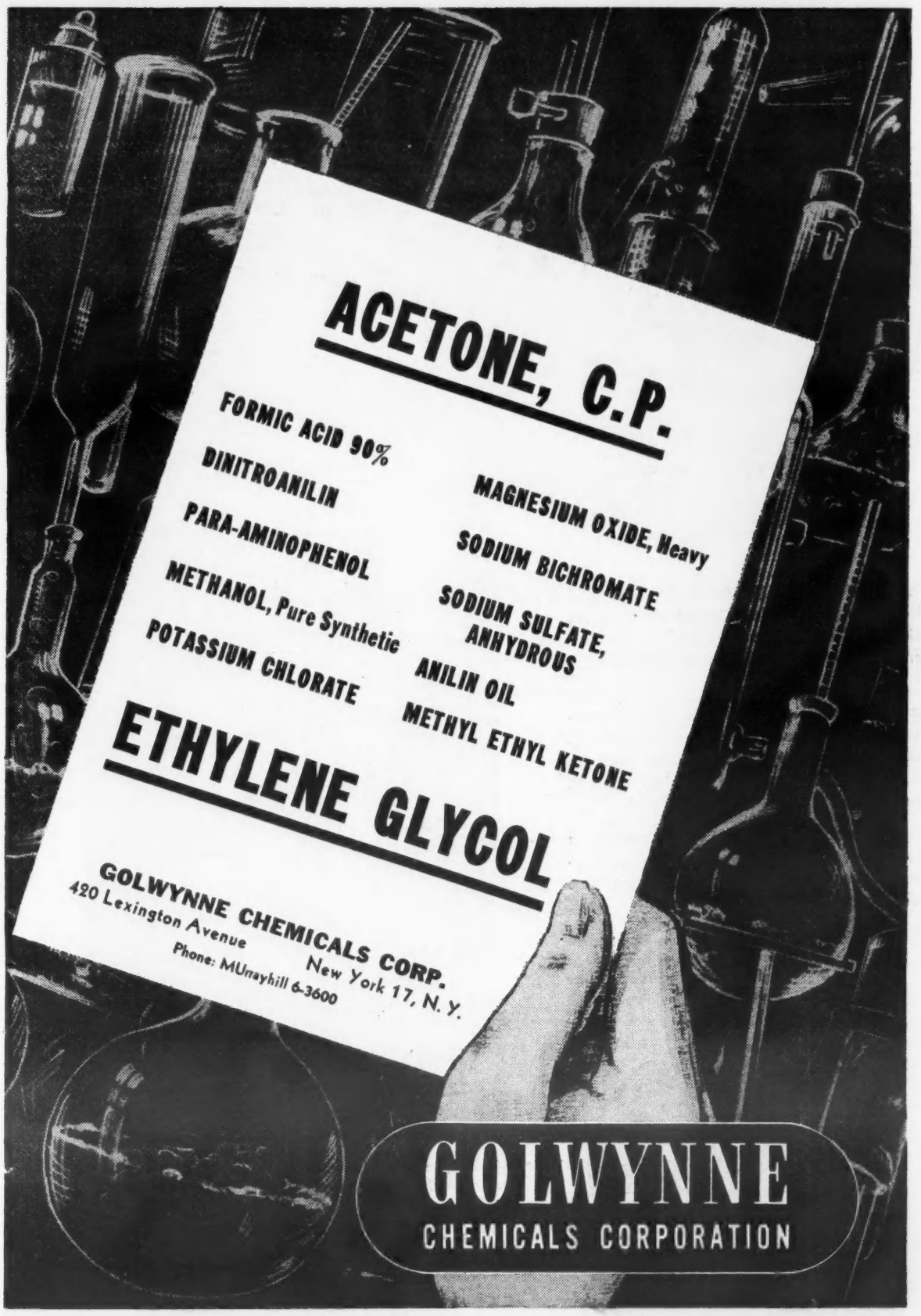
ALUMINUM IMPORT CORP. — NEW YORK BUENOS AIRES SAO PAULO

Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss	lb	No stocks.	
Sulphide, 62-64%, bbls., c.l., dlvd.	lb	.25	—
l.c.l., dlvd	lb.	.27	—
Antimony-potassium tartrate (see Tartar emetic).			
Antipyrene, USP, dms	lb.	2.35	2.45
Apomorphine, USP, bots.	oz.	23.20	-23.70
Archil extract, bbls	lb	No stocks.	
Areca nuts, powd., bbls	lb	.22	.25
Arecoline hydrobromide, NF, bots.	oz.	6.10	6.75
Arginine hydrochloride, laevo	kilo.	140.00	150.00
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity)		18.00	18.50
Arnica, flowers, bls	lb.	.45	.90
root, bls.	lb.	1.45	—
Arrowroot, powd., bgs	lb.	.13	.16
Arsenic, metal, lump, bbls., prompt shipt	lb.	.80	.90
Sulphide, yellow, bbls	lb	No stocks	
Trioxide (see Acid, arsenous).			
White, powd., bbls., c.l., dlvd	lb	.06	—
l.c.l., dlvd	lb.	.06¾	.07
Asafetida, cs.	lb.	.35	.38
powd., bbls., dms	lb.	.50	.53
Asbestine (see Talc, fibrous, N. Y.)			
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines	ton.	83.00	—
5R, bgs., c.l. (20 tons), same basis	ton.	79.00	—
6D, bgs., c.l. (30 tons), same basis	ton.	59.00	—
7D, bgs., c.l. (30 tons), same basis	ton.	52.50	—
7F, bgs., c.l. (30 tons), same basis	ton.	49.50	—
7K, bgs., c.l. (30 tons), same basis	ton.	35.50	—
7M, bgs., c.l. (30 tons), same basis	ton.	31.00	—
7R, bgs., c.l. (30 tons), same basis	ton.	30.00	—
7RF, bgs., c.l., same basis	ton.	31.00	—
7T, bgs., c.l., same basis	ton.	26.50	—
7TF, bgs., c.l., same basis	ton.	31.00	—
Asphaltum, cut-back, tanks, tank wagon, refinery	gal.	.09	—
Emulsion, tanks, tank wagon, refinery	gal	09½	.10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines	ton.	36.50	—
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines	ton.	31.00	—
jet, bgs., ton lots, gross weight, Colo. mines	ton.	36.50	—
Manjak, No. 10, crude, dms., works	lb.	.06½	—
process form, bgs., works	lb.	05¾	.13
Steam-rfd., less than 80 penetration., tanks, tankwagon, refinery		22.00	—
80-200 penetration, tanks, tankwagon, refinery	ton.	21.00	—
Atropine, USP, bots.	oz.		15.00
Sulphate, USP, bots.	oz.	10.35	-12.00

B

Bacitracin, bulk, unlabeled, topical, 2,000 units	vial.	.40	—
10,000 units	vial.	.78	—
50,000 units	vial.	2.86	—
Balm of Gilead buds, dried, bgs	lb.	1.50	1.75
Barbasco root (see Cube root).			
Barberry root bark, bgs	lb.	.65	.70
tree bark, bgs	lb.	.53	.55
Barbital, USP, dms.	lb.	4.50	—
Sodium, USP, dms.	lb.	4.75	—
Barium carbonate, precip., bgs., 10 tons and up, works	ton.	72.50	-80.00
smaller lots, works	ton.	82.50	-90.00
Chlorate, kgs., works	lb.	25½	.31
Chloride, NF, cryst., dms	lb.	.17	.18
tech., bgs., c.l., works, frt. equald.	ton.	90.00	—
l.c.l., works.	ton.	100.00	—
Chromate, bgs., frt. equald	lb.	31½	.32
Dioxide, dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.12	—
Hydrate, crystals, bgs.	lb.	.09	.09¼
Hydroxide, anhyd., bbls., works	lb.	.19	—
Iodide, bots.	lb	5.12	—
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.11½	—
l.c.l., works	lb.	.13	—
Oxide, grd., dms., c.l., works	lb.	.11	—
l.c.l., works	lb.	.11½	—
Peroxide (see Dioxide).			
Stearate, ctns., c.l.	lb.	.34	—
smaller lots	lb.	.35	.38
Sulphate, tech. (see Barytes and Blanc fixe).			
X-ray, bbls	lb	.12½	.13
Sulphide, dms., c.l., works	ton.	55.00	—
l.c.l., works	ton.	70.00	—
Barium-potassium chromate, dms., c.l., frt. alld.	lb.	.20	—
l.c.l., works	lb.	.21	—
Baryta ore, approx. 94% $BaSO_4$, bulk, mines	ton.	9.40	-12.50
Barytes, water-grd., paper bgs., c.l., St. Louis	ton.	35.05	—
l.c.l., same basis	ton.	36.85	—
ex whse., N. Y.	ton.	49.65	—
Southern off-color, bgs., mines	ton.	19.00	—
95.75%, bgs., mines	ton.	20.00	—
Barberry bark, bgs.	lb.	.12	.13
Bay leaves (see Laurel leaves).			
Belladonna leaf, bls	lb.	.85	1.10
Root, bls	lb.	.45	.50
Bauxite, bulk, mines	ton.	8.50	-10.00
Bentonite, 200 mesh, bgs., works	ton.	11.00	—
Benzaldehyde, NF, dms.	lb.	.68	.90
tech., cbys., dms.	lb.	.45	.55
Benzal chloride, cbys., works	lb.	.19	.25
Benzene (see Benzol).			
Hexachloride, tech., 11% gamma, bgs., dms., c.l., works	lb.	.27½	—
l.c.l., works	lb.	.29¾	—
dust, dry, 50%, 6% gamma, distributors, dms., c.l., dlvd.	lb.	.15	—
l.c.l., dlvd	lb.	.16	—
wet, 50%, 6% gamma, distributors, dms., c.l., dlvd	lb.	.16½	—
l.c.l.	lb.	.17½	—
Benzidin base, bbls	lb.	1.02	—
Benzocaine, ctns	lb.	3.25	3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich., Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio.	gal.	.21	—
Benzophenone, dms	lb.	1.15	1.70
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots	lb.	.35	—
less ton lots, same basis	lb.	.37	—
Benzoyl chloride, cbys., dms., c.l., works, frt. eq.	lb.	.20½	.21
l.c.l., same basis	lb.	.21½	.22
Peroxide, pure, fib. ctns., works.	lb.	.90	1.00
Benzyl acetate, f.f.c., dms.	lb.	.60	1.00
dms.	lb.	.60	.70
Alcohol (see Alcohol, benzyl).			
Benzoate, USP, f.f.c., cns., dms	lb.	.68	1.00
Chloride, tech., cbys., c.l., works, frt. equald	lb.	.19	.19½
l.c.l., same basis, high grade, 2c. higher.	lb.	.20	.20½
Cinnamate, cns	lb.	3.00	4.00
Formate, cns	lb.	1.60	3.50
Propionate, bots	lb.	1.34	2.30
Salicylate, bots.	lb.	1.55	2.25
Benzylidinacetone, bots.	lb	1.85	2.70
Benzylisoeugenol, bots	lb.	8.90	9.00
Berberine bisulphate, cns.	lb.	No stocks	
Hydrochloride, bots.	lb.	No stocks	
Sulphate, cns.	lb.	No stocks	
Berberis root, bls.	lb.	.28	.35
Betagammapicoline, dms., c.l. works,	lb.	.21	23½
l.c.l., works	lb.	.21½	24
Betamethylnaphthalene, m.p., 32°C., dms., works	lb.	.90	—
Betanaphthol, resublimed, dms., works	lb.	.75	—
tech., bbls., c.l., works	lb.	.30	—
l.c.l., works	lb.	.32	—
Benzoate, fib. dms., works	lb.	1.75	—
Salicylate, dms.	lb.	5.00	—
Betanaphthylamine, tech., bbls., works	lb.	.80	—
Betaphenylethylamine, dms., works, 1,000-lb. lots	lb.	1.25	—
smaller lots	lb.	1.60	—
Betapicolin, 90%-95%, dms., c.l., works	lb.	1.35	—
98%, dms., c.l., works	lb.	1.85	—
Beth root, bls.	lb	.45	.50
Biotin, cryst.	gram.	12.50	—
Bismuth chloride, jars	lb.	3.95	—
Bismuth citrate, USP VIII, jars	lb.	3.27	—
Hydroxide, dms	lb.	4.18	—
Metal, bxs., ton lots	lb.	2.00	—
Nitrate, cryst., dms	lb.	1.85	—
Oxychloride, dms	lb.	3.97	—
Oxide, anhydrous, dms	lb.	4.60	—
Phenolsulphonate, fib. dms	lb.	4.70	—
Subcarbonate, USP, dms	lb.	2.80	—
Subgallate, NF, fib. dms	lb.	2.75	—
Subiodide, fib. dms.	lb.	4.90	—
Subnitrate, NF, dms	lb.	2.30	—
Subsalicylate, USP, dms	lb.	3.20	—
Bismuth-ammonium citrate, USP, powd., dms	lb.	3.80	—
Black, acetylene, bgs., c.l., works	lb.	.13½	—
cs., l.c.l., shipt. point	lb.	.17	.19
Bone, bgs., bbls., l.c.l., dlvd	lb.	.14½	.22½
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.			
Carbon, channel, beads, bulk, c.l., works	lb.	.0650	—
bgs., c.l., works	lb.	.0690	—
l.c.l., dlvd. or whse	lb.	.1125	.117
uncompressed, regular, bgs., c.l., works	lb.	.0832	—
bgs., ctns., l.c.l., dlvd. or whse	lb.	.13¾	—
furnace, fast extruding, bgs., c.l., works	lb.	.05½	—
ctns., l.c.l., whse	lb.	.09½	—
high modulus, bgs., c.l., works.	lb.	.05	—
ctns., l.c.l., whse	lb.	.09	—
Black, carbon, furnace, semi-reinforcing, bgs., c.l., works	lb.	.03½	—
ctns., l.c.l., whse	lb.	.07½	—
very fine, bgs., c.l., works	lb.	.0740	—
l.c.l., dlvd. or whse	lb.	.1125	.1170
Charcoal (see C).			
Graphite (see G).			
Iron oxide, synthetic, bgs., c.l., works	lb.	.10¾	—
l.c.l., works	lb.	.11	—
Lamp, bgs., c.l., works	lb.	.07	.30
Mineral, bgs., works	lb.	.0160	0675
Black ash (see Barium sulphide).			
Blackberry root, bls.	lb	.12	.13
bark of root, bls	lb.	.30	.32
Black dyes (see Dyes).			
Black haw, root bark, bls	lb.	.75	.82
Tree bark, bls	lb.	.28	.30
Black Indian hemp root, bls	lb.	.43	.50
Blanc fixe, dry, by-product, bgs., c.l., works	ton.	77.50	—
l.c.l., works	ton.	85.00	—
direct process, bgs., c.l., works	ton.	85.00	—
l.c.l., works	ton.	90.00	—
N. Y. whse	ton.	108.00	—
bbls., c.l., works	ton.	90.00	—
l.c.l., works	ton.	95.00	—
N. Y. whse.	ton.	113.00	—
pulp, 66⅔%, bbls., c.l., works,	ton.	67.00	—
l.c.l., same basis	ton.	73.00	—
Bleaching powder, dms., c.l., works,	100 lbs.	4.25	—
l.c.l., works	100 lbs.	4.75	—



Blood, Dried—Calcium Cyanide

Blood, dried, 16-16½% ammo., bgs., unit-ton. 6.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 9.00 - —
soluble, bgs., c.l. ..lb. .17 - .19
l.c.l. ..lb. .18 - .25
Bloodroot, bls. ..lb. .45 - .50
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis ..lb. 1.90 - —
Toner, bbls., litho flushed, same basis ..lb. 1.10 - —
Celestial, bbls., same basis ..lb. .15 - .16
Chinese, bbls., same basis ..lb. .45 - —
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis ..lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis ..lb. 4.20 - —
Milori, bbls., same basis ..lb. .45 - —
Peacock, fugitive, 100% color strength, same basis ..lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis ..lb. 3.75 - —
tungstic ..lb. 4.00 - —
Potash, CP, bbls., same basis ..lb. .51 - —
Prussian, bbls., same basis ..lb. .45 - —
soluble, bbls., same basis ..lb. .45 - —
Soda, C.P., bronze, bbls., same basis ..lb. .39 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis ..lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis ..lb. .19 - .29
Victoria toner, molybdic, bbls ..lb. 3.75 - —
Tungstic, bbls. ..lb. 3.75 - —
Violet toner, molybdic, bbls., same basis ..lb. 1.24 - —
Tungstic, kgs., same basis ..lb. 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. ..lb. .43 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. ..lb. .09 - .10
Bone, raw, bulk, Chicago ..ton.75.00 - —
junk, bulk, same basis ..ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ..ton.70.00 - —
Chicago, works ..ton.70.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works ..ton.75.00 - —
Chicago, works ..ton.75.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.75.00 - —
Chicago, works ..ton.75.00 - —
Phosphate, defluorinated (see D). precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. ..lb. .14 - .16
Borage flowers, bls. ..lb. .43 - .45
Borax, tech, anhydrous, bgs., c.l., works ..ton.70.50 - —
ton lots, ex whse, N. Y. or Chi ..ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ..ton.90.50 - —
ton lots, ex whse, N. Y. or Chi ..ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ..ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton lots, ex whse, N. Y. or Chi ..ton.106.00 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ..ton.81.25 - —
ton lots, ex whse, N. Y. or Chi ..ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ..ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse, N. Y. or Chi ..ton.60.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ..ton.55.25 - —
ton lots, ex whse, N. Y. or Chi ..ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works ..ton.31.25 - —
powdered, 99½%, bgs., c.l., works ..ton.40.25 - —
ton lots, ex whse, N. Y. or Chi ..ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
Borax, tech., powd., 99½%, bbls., c.l., works ..ton.60.25 - —
ton lots, ex whse, N. Y. or Chi ..ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ..ton.36.25 - —
Borax packed in kgs. is $4e per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point ..lb. .15 - .21
l.c.l., same basis ..lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies ..lb. .21 - —
1,000 lbs., same basis ..lb. .23 - —
single pkgs., same basis ..lb. .28 - —
dms., lead-lined, c.l., dlvd ..lb. .19 - —
Bromoform, USP, bots. ..lb. 1.50 - 1.70
cbys. ..lb. 1.42 - —
Bromstyrol, bots. ..lb. 4.85 - 6.25
Bronze powder, aluminum (see A). Gold, litho., cans, dms., works.lb. .50 - .60
moulding, cans, dms., works.lb. .80 - 1.00
printing ink, cans, dms., works ..lb. .95 - 1.10
radiator, cans, dms., works.lb. .60 - .65
Broomtop, bls. ..lb. .25 - .26
Brown, iron, synth., bgs., l.c.l., works ..lb. .12½- —
Oxide, metallic, bgs., works ..lb. .03 - .03¼
Sap, crystals, works ..lb. .12 - —
powdered ..lb. .13 - —
Sienna, burnt, paper bags., c.l., works ..lb. .03¾- .14¾
l.c.l., works ..lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12½
l.c.l., works ..lb. .04¼- .12¾
Umber, burnt, American, c.l., bbls., works ..lb. .04¾- .05¾
l.c.l., bgs., works ..lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y.lb. .05¾- .07¾
l.c.l., works ..lb. .06 - .08
raw, American, bgs., same basis lb. .03¾- .08
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works ..lb. .09¾- .12
Brucine, cns., 100 ozs ..oz. .40 - .50
Sulphate, NF, cns., 100 ozs ..oz. .30 - .40
Bryonia root, bls. ..lb. .30 - .35
Buchu leaves, bls. ..lb. .83 - .85
Buckthorn bark, bls. ..lb. .16 - .18
cut and sifted, bls. ..lb. .25 - .27
Berries, bgs. ..lb. .85 - 1.00
Burdock, root, bls. ..lb. .20 - .26
Butadiene, cyls., refy ..lb. .19 - —
tanks, same basis ..lb. .11½- —
Butane, indust., tanks, group 3 ..gal. .03½- —
Butternut bark, bls. ..lb. .20 - .30
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss ..lb. .15½- —
l.c.l., same basis ..lb. .16½- —
tanks, same basis ..lb. .14 - —
tankwagons, same basis.lb. .14½- —
other production, dms., c.l., same basis ..lb. .15½- —
l.c.l., same basis ..lb. .16½- —
tanks, same basis ..lb. .14 - —
Normal butyl acetate W. of Miss., ½c. per lb. higher.
synthetic, normal, dms., c.l., same basis ..lb. .15½- —
l.c.l., same basis ..lb. .16½- —
tanks, same basis ..lb. .14 - —
secondary dms., c.l., dlvd. E. of Miss ..lb. .12½- —
l.c.l., same basis ..lb. .13 - —
tanks, same basis ..lb. .11 - —
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works ..lb. .20½- —
l.c.l., works ..lb. .21½- —
tanks, works ..lb. .19½- —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50/50, cns., works ..lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies ..lb. .42½- —
l.c.l., same basis ..lb. .43½- —
tanks, same basis ..lb. .41 - —
Laurate, dms., works ..lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works ..lb. .63 - .67
P-4, cns., works ..lb. .65 - —
Myristate, dms., works ..lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Phenylacetate, dms. ..lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd ..lb. No stocks
tanks, dlvd. ..lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies ..lb. .32 - —
l.c.l., same basis ..lb. .33 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium bromide, jars ..lb. 2.49 - 2.80
Iodide, jars ..lb. 5.10 - —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd.lb. 2.00 - —
patent shapes, cs., dlvd ..lb. 2.15 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, USP, cryst., dms., 100 lbs or more ..lb. 4.75 - 8.00
anhydrous, dms., 100 lbs. or more ..lb. 5.00 - —
Citrated, USP, dms., 100 lbs. or more ..lb. 3.00 - —
Hydrobromide, bots. ..lb. 6.50 - —
Calabar beans, bgs., futures ..lb. .65 - .66
Calamine, USP, dms. ..lb. .27 - .29
Calamus root, dom., bgs ..lb. .27 - .30
imported, bleached, bls ..lb. .70 Nom.
peeled, bls. ..lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works ..gram. 4.00 - —
1,000 to 10,000 s.u., works ..gram. 4.40 - —
less than 1,000 s.u., works ..gram. 4.80 - —
in edible oil, dms., 10,000 or more. .10 - —
1,000 to 10,000 s.u., works ..unit. .11 - —
less than 1,000 s.u., works ..unit. .12 - —
Calcium acetate, bgs., dlvd ..100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. ..lb. .10½- —
l.c.l., same basis ..lb. .11½- —
Bromide, NF, jars ..lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ..ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars ..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ..ton.22.00 —
l.c.l., same basis ..ton.37.00 -67.00
liquor, works, basis 40%, tank-cars ..ton. 9.00 - —
solid, 73-75%, dms., c.l., works, same basis ..ton.20.00 - —
l.c.l., works, same basis ..ton.30.00 -59.00
USP, gran., bbls. ..lb. .30 - —
Chromate, bgs., frt. equald ..lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .39 - .50

Fulton MULTIWALLS WIN HIGH PRAISE FROM LARGEST USERS IN THE INDUSTRY

Proof... OF THE PUDDING!

The impressive list of multiwall orders we have filled at our new plant in New Orleans would be the quickest and best way we know to tell you the wonderful success story of Fulton Multiwall Paper Bags.

Voluntary comment received from these quantity users of multiwalls speaks for itself. Generous compliments on the clean cut appearance, workmanship and uniform quality of Fulton Multiwalls is conclusive evidence they have passed the final test with flying colors.

Give us the opportunity to win a compliment from you. Try Fulton on your next order for Multiwalls — pasted or sewed bottom, open or valve type — we make them all.

Call on us also for your requirements in cotton or burlap bags including waterproof paper lined textile bags.

Fulton BAG & COTTON MILLS Atlanta, Ga.

Write, wire or phone your most convenient Fulton factory.

Atlanta • St. Louis • Dallas • Kansas City (Kans.) • Denver
Minneapolis • New Orleans • Los Angeles • New York

this CRIMP in your business— will pay off!

our new Strong Seal Cobb Crimp machines give you packaged tablets at less cost!

1. Heavy protective containers eliminated! **2.** Each tablet *seal-crimped* in individual air-tight, moisture-resistant compartment!

3. Eliminates shipping bulk tablets to packaging plant! **4.** Spoilage in packaging reduced—yield increased!

5. Laboratory control from raw materials to delivered package.

6. One operation . . . tablets manufactured and wrapped in cellophane, silver foil, gold foil, etc.—in one plant.

During the past twelve months, Strong Cobb produced over 1,413,000,000 plain compressed and coated tablets.

Now we deliver your tablets—individually *seal-crimped*—and wrapped in your regular trade packages!

With Strong Cobb as their manufacturers, hundreds of drug companies forget manufacturing troubles and concentrate on the job of selling.

Strong Cobb & Co. Inc.
2654 Lisbon Road, Cleveland 4, Ohio

Originators and Developers of the AMPIN for Automatic and Subcutaneous and Intramuscular Injection.

STRONG COBB & CO., INC., Dept. OPD
2654 Lisbon Road, Cleveland 4, Ohio

Gentlemen: Please send me samples of your seal-crimped tablets.

NAME_____

COMPANY_____

STREET_____

CITY_____ ZONE_____ STATE_____

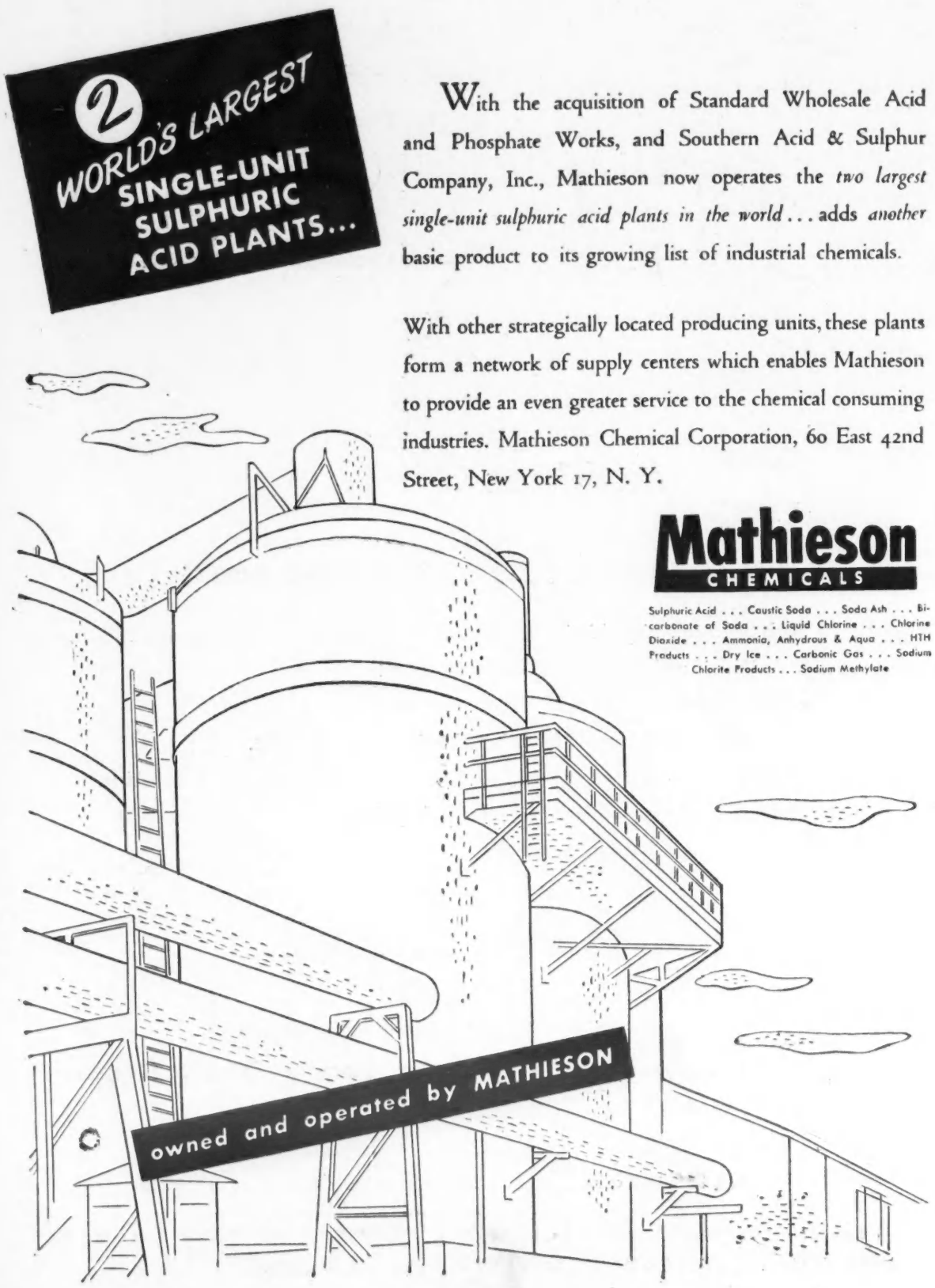
Calcium Gluconate, AA—Chestnut Extract

Calcium gluconate, AA, bbls., dms. lb. .65 - .72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib. dms lb. 1.65 - 1.80
Hydride, dms., works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm. 24.00 -28.50
cns., cased (45 lbs.) same basis cs. 19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .80 - .83
Iodide, jars lb. 4.12 - —
Lactate, USP, dms lb. .37 - .44
Mandelate, USP, dms., works lb. 2.10 - —
Naphthenate, liq., 4% Ca, dms., frt. alld lb. .23¾- —
Nitrate, tech., works lb. .07 - .09
Pantothenate, dextro, jars gram .07½- —
Phenolsulphonate, dms. lb. .59 - .60
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 10 tons, works. ton. 105.00 - —
one ton or over, works ton. 115.00 - —
less than one ton, works ton. 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .22 - —
Resinate, precip., dms., frt. alld. works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34

Calcium sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works.. ton. 45.00 - —
70%, bgs., c.l., works ton. 56.00 - —
luminous tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .50 - .85
Calomel, USP, cryst., dms lb. 1.82 - 1.83
fine powd., dms lb. 1.97 - 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, NF, monobromated, dms., kgs lb. 3.10 - 3.20
Camphor, natural lb No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb. .42 - —
10 bbls. (1,500 lbs.) lb. .44½- —
smaller lots lb. .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .58 - —
1,000-lb. lots lb. .59 - —
smaller lots lb. .60 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 1.10 - 1.30
powd., bxs lb. 1.25 - 1.50
Russian, bgs lb. 5.00 - 5.25
powd., bxs lb. 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75
Caramel coloring, NF, bbls gal. 1.02 - 1.20
Caraway seed, Danish, bgs lb. .17½- .18
Dutch, bgs. lb. .18 - .18½
Carbazole, 97%, steel dms., ton lots, works lb. 1.75 - —
fib. dms., same basis lb. 1.70 - —

Carbinol butyl, normal (see Alcohol, amyl, refined)
secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E lb. .14½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., same basis lb. .09½- —
l.c.l., same basis lb. .08¾- —
tankcars, same basis lb. .0445- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. .09 - .11½
tech., dms., E. of Rockies, c.l., frt. alld lb. .08 - —
l.c.l., same basis lb. .08½- —
W. of Rockies, c.l., f.o.b. stock points lb. .08½- —
l.c.l., frt. alld. lb. .09 - —
NF, cbys lb. .17 - .19
Carboxymethylcellulose-sodium—See CMC.
Carbromal, NF, dms., ton lots, works lb. 4.25 - —
100-lb. lots, works lb. 4.75 - —
Cardamom fruit, bleached, bold, cs., lb. 3.25 - 3.30
medium, cs lb. 3.00 - 3.10
Coorges, cs., futures lb. 2.20 - 2.25
decorticated, Guatemalan, cs., futures lb. 2.42 - 2.45
Indian, cs. lb. No stocks.
green, Alleppey, bgs., futures lb. 2.20 - 2.25
Seed (See Cardamom fruit, decorticated).
Carmine, No. 40, NF, buik, 100 lbs. or more lb. 5.50 - —
smaller lots lb. 5.65 - 6.15

Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .62 - —
dry powder, 3,330 A units per gram lb. .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn cn. .85 - —
in vegetable oil, 250,000 A units per gram lb. 37.24 - —
50,000 A units per gram lb. 7.87 - —
26,000 A units per gram, tins, works milli. units. .32 - —
dms., works milli. units. .30 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .50 - —
Carvol, bots lb. 10.00 -16.00
Cascara sagrada bark, bulk lb. .28 - .30
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more ship't point lb. .21 Nom.
rennet-precip., 10,000 lbs. or more, same basis lb. .28 Nom.
imported, acid-precip., ground, bgs. or more lb. .19¾- .20 Nom.
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼- —
dm. lots, same basis lb. .24¼- —
Cassia bark, Batavia, longstick, bls. lb. .27 - .28
broken, bls. lb. .24 - .24½
short stick, bls lb. .23 - .24
China, Canton, rolls, select, cs. lb. .11 - .11¼
broken, bls. lb. .09 - .09½
Honan, rolls, scraped, bls lb. .14 - .14½
broken, bls lb. .13 - .13½
unscraped, bls. lb. .14 - .15
broken, bls. lb. .13 - .13½
Yunnan, rolls, scraped, bls. lb. .13 - .13¼
broken, bls lb. .13 - .13½
unscraped, bls. lb. .12½- .13
broken, bls. lb. .11½- .12
Saigon, broken, bls lb. .25 - .28
medium, bls. lb. .34 - .35
thin, bls. lb. .42 - .43
Buds, China, bgs lb. .23 - .24
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports.. long ton. 103.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. 24.00 Nom.
Castoreum, nat., cns lb. 12.00 -45.00
synthetic, cns lb. 22.00 - —
Catechol, CP, cryst., fib. dms., works. lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls. lb. .55 - .60
Celery seed, French, bgs lb. .25½- .26
Indian, bgs. lb. .22½- .23
futures, bgs lb. .24 - .25
Celluloid scrap (see Pyroxylin scrap.
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .40
granules, ctns., same basis lb. .42 - —
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .49 - —
less than 500 lbs., works, lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
37% butyryl content, ctns., 500 lbs. and over, works.. lb. .53 - —
less than 500 lbs., works lb. .54 - —
48% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works. lb. .58 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .58 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., l.c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100-lb. lots, works lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02⅞- .05½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 -40.00
rubber makers, bgs., c.l., works. ton. 30.00 - —
Chamomile flowers, Hungarian, cs. lb. .45 - .48
Roman, bls lb. 1.00 - 1.30
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bulk, c.l., works ton. 49.80 - —
bgs., c.l., works ton. 51.80 - —
granular, bgs., incl., c.l., works. ton. 46.80 -59.00
lump, bulk, c.l., works ton. 38.80 -43.50
bgs., extra, returnable, c.l., works ton. 41.80 -45.50
Pinewood, gran., powd., bgs., c.l., works, South ton. 40.00 - —
l.c.l., works ton. 50.00 -60.00
lump, bgs., c.l., works, South ton. 35.00 - —
Willow, powd., bbls lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0485- —
l.c.l., works lb. .0495- —
tanks, works lb. .0375- .0390
powd., 65% tannin, bgs., extra, c.l., works lb. .1105- —
l.c.l., works lb. .1170- .1180



With the acquisition of Standard Wholesale Acid and Phosphate Works, and Southern Acid & Sulphur Company, Inc., Mathieson now operates the *two largest single-unit sulphuric acid plants in the world* . . . adds *another* basic product to its growing list of industrial chemicals.

With other strategically located producing units, these plants form a network of supply centers which enables Mathieson to provide an even greater service to the chemical consuming industries. Mathieson Chemical Corporation, 60 East 42nd Street, New York 17, N. Y.

Mathieson
CHEMICALS

Sulphuric Acid . . . Caustic Soda . . . Soda Ash . . . Bicarbonate of Soda . . . Liquid Chlorine . . . Chlorine Dioxide . . . Ammonia, Anhydrous & Aqua . . . HTH Products . . . Dry Ice . . . Carbonic Gas . . . Sodium Chlorite Products . . . Sodium Methylate

For 17 years General Electric has used Tri-Sure Closures

in shipping

✓ RESINS
✓ VARNISH
✓ SHELLAC
✓ FORMEX ENAMEL
✓ GLYPTAL SOLUTION
✓ HEAVY PAINT

Resins, varnishes, shellacs and other liquids play an important part in the manufacture of many General Electric products. The quality of these liquids must be high. And to make sure that shipments can be made with security from tampering Tri-Sure Closures* are used.

Many firms in the first rank of American industry have used Tri-Sure protection since the inception of the Tri-Sure Closure in 1932. And during those 17 years, hundreds of shipments of G-E chemicals have attested the efficiency of the Tri-Sure *flange, plug* and *seal*.

Leading manufacturers of products shipped in drums will not accept a substitute for Tri-Sure Closures*—because their experience has proved that there is no substitute for *100% security* from leakage, seepage, tampering and contamination. You can give *your* shipments that kind of security—and give *your* product complete protection—by always specifying "Tri-Sure Closures" when you order drums.

* The "Tri-Sure" Trademark is a mark of reliability backed by 27 years serving industry. It tells your customers that genuine Tri-Sure flanges (inserted with genuine Tri-Sure dies), plugs and seals have been used.

Play Safe by Specifying **Tri-Sure** *On Every Drum Order*

Reg. U. S. Pat. Off.

CLOSURES

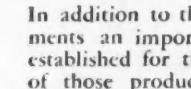
AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

China Clay—Cyclohexylamine

China clay, dom., dry-grd., air-float, 99.75% 200 mesh, bgs., c.l., works ton 12.50 -13.00
l.c.l., works ton 13.50- 14.00
bulk, c.l., works ton 9.50 -10.00
200 mesh, bgs., c.l., works ton 10.00 -12.00
l.c.l., works ton 11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works ton 13.00 - —
paper bgs., c.l., works, ton 15.00 - —
imported, white lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net ton 16.00 -35.00
powd., bgs., c.l., ex dock ton 45.00 - —
l.c.l., ex whse ton 50.00 -55.00
Chloral, tech., dms., c.l., works lb. .41 - —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Hydrate, USP, jars lb. 1.05 - 1.15
Chloramine T, NF, bbls., works lb. .75 - —
Chlordane, agricultural, dms., l.c.l. stock points lb. .52 - 2.00
refined, dms., stock points lb. .97 - 2.15
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, obls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots. lb. 4.00 - 4.50
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .53 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 3.00 - 3.10
feed grade, fib. dms., works lb. 2.20 - —
Dihydrogen citrate, fib. dms., works, lb. 3.00 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7%, bbls., cs. lb. .08 - .08½
8½%, bbls., cs. lb. No stocks
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, bbls. lb. .54 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 - 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs lb. 1.26 Nom.
ozs. oz. .45 - .50
broken, bgs lb. .35 - .40
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs. oz. .95 - —
Sulphate, cns., 100 oz. oz. .55 - —
Cinchonine, large cryst., cns., 100 ozs. oz. .69 - —
small cryst., cns., 100 ozs. oz. .65 - —
Sulphate, N.F., cns., 100 ozs. oz. .42 - —
Cinchophen, NF, heavy, dms., works lb. 4.20 - 4.55
Standard, dms., works lb. 4.00 - 4.35
Cinchophen-sodium, standard, dms., works lb. 5.00 - 5.35
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms. lb. .83 - .90
Cinnamon, Ceylon, No. 1, bls lb. .17 - .17½
Citral, bots., cns lb. 3.60 - 5.00
Citronellal, bots., dms lb. 2.50 - 7.75
Citronellol, bots., dms lb. 2.95 - 4.75
Civet, bots oz. 5.50 -15.00
Clove, Madagascar, bls lb. .17 - .17½
futures, bls. lb. .19 - .19½
Zanzibar, bls lb. .24 - .24½
futures lb. .22½- .23
Clover tops, red, dom., bgs lb. .55 - .65
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .63 - —
smaller lots, same basis lb. .65 - .75
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - .72
tech., low vis., dms., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse. gal. .14½- —
refd., resale, bbls., c.l., ex-whse, gal. .25½- —
l.c.l., ex-whse. gal. .27 - —
tanks, ex-whse gal. .15½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs lb. 1.65 - —
Chloride, kgs., works lb. .91¼- —
feed grade, 24.5% Co, kgs lb. .91¼- —
Hydrate, bbls lb. 2.13 - —
feed grade, 62% Co, kgs lb. 2.13 - —
Cobalt, linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Naphthenate, liq., 6% Co, dms. lb. .37¼- —
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs. lb. .68¾- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt salts, prices are on dlvd., basis.
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz oz. 15.00 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb. .18 - .20
Cocoa butter, bgs lb. .38 - .39
Codeine, NF, cns., 100 ozs oz. 13.25 - —
Hydrochloride, cns., 100 ozs oz. 11.85 - —
Phosphate, USP, cns., 100 ozs oz. 10.25 - —
Sulphate, USP, cns., 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .24 - .26
Blue, root, bls lb. .17 - .19
Colchicine, USP, bots., cns oz. 145.00 - 160.00
Colchicum seed, bgs 15. 2.75 - 3.00
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½- .30⅛
Colocynth, pulp, bls lb. .35 - .40
Colombo root, bls lb. .18 - .23
Coltsfoot leaves, bgs lb. .33 - .35
Condurango bark, bgs. lb. .20 - .21
Copaiba balsam, cns., dms lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bbls lb. .218 - .2525
Chloride, anhyd., bbls., works lb. .25½- —
crystals, bbls., works lb. .17½- —
Citrate, USP, 5-lb bots lb. 2.40 - —
Cyanide, tech., bbls lb. .45 - .48
Gluconate, dms., cns lb. 3.00 - 3.20
Hydrate, dms., dlvd E Miss. lb. .27½- .28
Metal, electrolytic, dlvd lb. .17⅜- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¼- —
Nitrate, tech., cryst., bbls., works, lb. .21¼- —
Oleate, liquid, 8.5% Cu, bbls lb. .33 - —
solid, 10% Cu, bbls lb. .45¾- —
12.5% Cu, bbls lb. .44½- —
Oxide, black, bbls., works lb. .23½- .26¼
red, com'l, bbls., works lb. .25½- .28¾
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27¼
Quinolate lb. 3.50 - —
Resinate, precip., dms., frt. alld, lb. .23½- —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 8.00
CP, cryst., gran., dms., works, lb. .12¾- —
monohydrated, 35%, dms., c.l., dlvd 100 lbs. 11.90 - —
tribasic, dealers, bgs., c.l., works lb. .1815- —
l.c.l., works lb. .2050- —
USP, gran., cryst., dms lb. .10 - .26
Copperas, cryst., gran., bgs., c.l., works ton 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton 20.00 - —
bulk, c.l., works ton 14.00 - —
Copra, c.i.f., Pacific ports ton 165.00 - —
Atlantic or Gulf ports ton 170.00 - —
Coriander seed, Argentine, bgs., futures lb. .06 - .06¼
Italian, bgs lb. .05½ Nom.
Moroccan, bgs lb. .06½- .07
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.63 - —
bbls., c.l., same basis 100 lbs. 5.68 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.00 - —
l.c.l. 100 lbs. 6.10 - —
Cornsilk, bls lb. .15 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .30 - .35
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills ton 67.00 -68.00
Coumarin, cns., 25 lbs lb. 2.75 - —
smaller lots lb. 2.80 - 2.90
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .28 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .29½- —
smaller lots lb. .30 - .31
imported, kgs lb. .24 - .26
Creosote, coaltar, crude, tanks, works gal. .16 - .19¼
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works gal. .20 - —
NF, beechwood, bots, cbys. lb. 1.15 - 1.20
hardwood, bots, cbys. lb. .85 - —
Pinewood, dms gal. .31 - .32
Creosote carbonate, NF, bots., cbys. lb. 2.35 - 2.40
Cresol, tech., dry above 207°C, dms., c.l., works, frt. equald lb. .1255- .1425
l.c.l., same basis lb. .1285- .1510
tanks, same basis lb. .1125- .1350
USP, dms., c.l., same basis lb. .1280- .1505
l.c.l., same basis lb. .1310- .1535
tanks, same basis lb. .1150- .1375
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½- .20
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 10.00 - —
bbls., l.c.l., works 100 lbs. 10.75 -11.00
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .30 - —
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs lb. .40 - .45
powd., cs. lb. .50 - .55
Culvers root, bbls lb. .55 - .65
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Morocco, bgs lb. .23½- .24
Persian, bgs. lb. .23½- .24
Turkish, futures, bgs lb. .21½- .22
Cutch, extract, 55% tannin, bgs., ex dock lb. .08½- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk unit-ton. 2.85 - —
pulv., 21% N., bgs., same basis, unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works, lb. .09½- .12¼
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11⅛
Cyclohexanol, tech., dms., c.l., works, lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb. .34 - —

In August 1947 four Dutch leading producers of chemicals decided to found a joint sales organisation in order:
1st to handle an efficient domestic distribution of their products
2nd to promote the exportation of their products.

STAATSMIJNEN IN LIMBURG HEERLEN
KONINKLIJKE ZWAVELZUURFABRIEKEN v/h KETJEN N.V. AMSTERDAM
N.V. KONINKLIJKE NEDERLANDSCHE ZOUT-INDUSTRIE - HENGELO
N.V. MAATSCHAPPIJ TOT EXPLOITATIE VAN KOOKSOVENGASSEN M.E.K.O.G. IJMUIDEN



In addition to the sales departments an import division was established for the importation of those products which are not or insufficiently produced by the associated companies.

The N.V. ALGEMEENE INDUSTRIEËLE, MIJNBOUW EN EXPLOITATIE MIJ. A.I.M.E. at Amsterdam and Bandoeng (Java) also joined the sales office.

NEDERLANDSCH VERKOOPKANTOOR VOOR CHEMISCHE PRODUCTEN N.V.

If you want to sell on the Dutch market apply to the N.V.C.P. We, undoubtedly, have possibilities for the sale of your chemicals and minerals.

Customers in more than 30 countries think it advantageous to deal with the N.V.C.P. We invite you to join them.

Line of Dutch chemicals for the world market:

ammonia • ammoniumbicarbonate • ammoniumchloride • anthracene • benzol • chloramine T • creosote oil • ethylene dichloride • glauber's salt • hydrochloric acid • javanite • lake red C base • manganese dioxide • manganese oxyhydrate • manganese sulfate • monochlorobenzene • mononitrobenzene • naphthalene • naphthalene sulfonic acid, sodium salt • paratoluenesulfonamide • paratoluenesulfonchloride • plasticizers (methylic, ethylic and cresylic ester of toluene sulfonic acid) • potassium permanganate • pyridine • pyridine bases • saccharin • solvent naphtha • sulfur dioxide • sulfuric acid • sulfurylchloride • toluene ethylsulfonamide • toluene sulphonamide formaldehyde resin • toluol • xylol

APPLY TO:

NEDERLANDSCH VERKOOPKANTOOR VOOR CHEMISCHE PRODUCTEN N.V.

The prime of Dutch chemicals

63 MAURITSKADE, AMSTERDAM - HOLLAND - CABLE ADDRESS: CHEMICALS

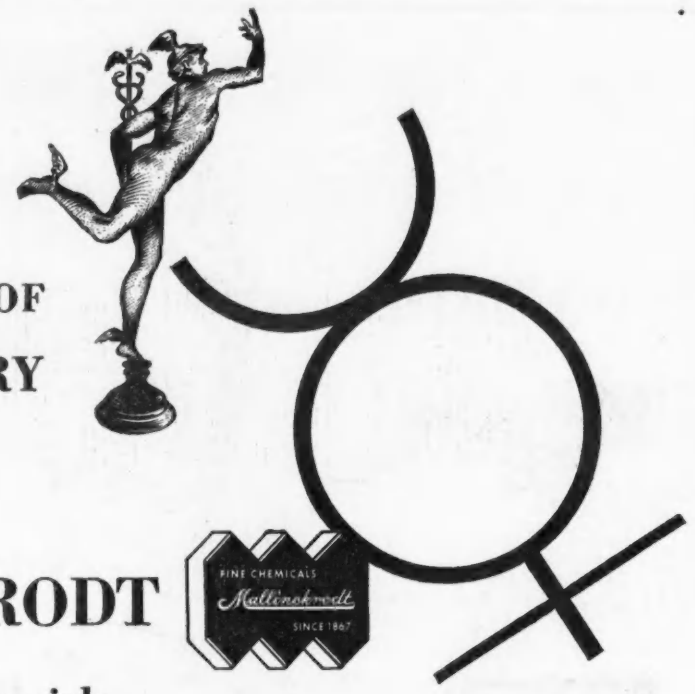
Cyclopropane, USP, 2 lb. cyls, works, cyl. 40.00 - —
6 oz. cyls., works cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, fib., dms., c.l., works, frt., equald lb. .75 - —
l.c.l., same basis lb. .83 - .90
Damiana leaves, bls lb. .45 - .50
Dandelion root, bls lb. .35 - .40
DDD, tech., fine grd., nb. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½ - —
DDT, fiber dms., c.l., works lb. .32 - —
smaller lots, works lb. .33 - .34
Decanol, normal, tech., dms., c.l., dlvd lb. .34½ - —
l.c.l., dlvd lb. .36½ - —
tanks, dlvd lb. .32 - —
Deertongue leaves, bls lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton. 44.15 - 55.75
Rock, paper bgs., works ton. 34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .20 - .22
over 2% ffa., bbls lb. .19 - .21
Derris root, 5% rotenone, powd lb. .33 Nom.
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.12 - —
Chicago 100 lbs. 6.50 - —
l.c.l. 100 lbs. 7.27 - —
Dextrin, canary, paper bgs., c.l. 100 lbs. 6.86 - —
Chicago 100 lbs. 6.24 - —
l.c.l. 100 lbs. 7.01 - —
dark, paper bgs., c.l. 100 lbs. 7.06 - —
Chicago 100 lbs. 6.34 - —
l.c.l. 100 lbs. 7.11 - —
white, paper bgs., c.l. 100 lbs. 6.71 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.86 - —
Corn dextrin in cotton bgs., 17c. higher.
Potato, bgs lb. .10½ - .10¾
Dextrose, USP, dms lb. .17¾ - —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.00 - 5.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl)
Phthalate, dms., c.l., dlvd. E lb. .35½ - —
l.c.l., dlvd. E lb. .36½ - —
tanks, dlvd. E lb. .34 - —
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 - 52.00
California ton. 38.00 - 40.00
l.c.l., ex whse ton. 80.00 - —
purified, bgs., c.l., Atl. coast ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms, c.l., works, lb. .69 - —
l.c.l., works lb. .69½ - —
tanks, works lb. .67½ - —
Dibutoxyethyl sebacate, dms., cl., works lb. .57 - —
l.c.l., works lb. .57½ - —
tanks, works lb. .55½ - —
Dibutyl phthalate, dms., c.l., dlvd lb. .31½ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd lb. .30 - —
Sebacate, dms., c.l., works lb. .55½ - —
l.c.l., works lb. .56 - —
tanks, works lb. .54 - —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld. lb. .51½ - .52½
l.c.l., frt. alld lb. .52½ - .53½
tanks, frt. alld lb. .49 - .50
Dicapryl sebacate, dms., c.l., works, lb. .57½ - —
l.c.l., works lb. .58 - —
tanks, works lb. .56 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyD.
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½ - —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½ - —
l.c.l., same basis lb. .27½ - —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36½ - —
l.c.l., same basis lb. .37½ - —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50½ - —
l.c.l., dlvd lb. .51½ - —
tanks, dlvd lb. .50 - —
Oxalate, dms., c.l., frt. alld lb. .34½ - .35½
l.c.l., same basis lb. .35½ - .36½
tanks, same basis lb. .34 - —
Phthalate, dms., c.l., dlvd lb. .26 - .27½
l.c.l., dlvd lb. .27 - .28
tanks, dlvd lb. .24½ - .26
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms. lb. .48 - —
Diethyleneglycol, dms., c.l., frt alld. E lb. .17½ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works lb. .40 - —
Monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½ - —
tanks, works lb. .24½ - —
Monobutylether acetate, dms., c.l., works lb. .27½ - —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works, lb. .18 - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16½ - —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½ - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½ - —
tanks, works lb. .20½ - —
Diethylenetriamine, dms., c.l., works, lb. .51½ - —
l.c.l., works lb. .52 - —
tanks, works lb. 50 - —
Diethylstilbestrol, USP, bots kilo. 260.00 - 300.00
Digitalin, cryst., bots gram. 15.00 - 18.00
powd., bots oz. 25.00 - 30.00
Digitalis leaves, dms. lb. .80 - 1.25
Diglycol laurate, dms lb. .34 - .36
Oleate, light, dms lb. .26 - .28
Stearate, dms lb. .27 - .29

Dihexyl sebacate, dms., c.l., works, lb. .45 - —
l.c.l., works lb. .45½ - —
tanks, works lb. .43½ - —
Dihydrostreptomycin hydrochloride and sulphate, horpitals, vials, gram. .80 - —
wholesalers, vials gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works, lb. .14 - —
l.c.l., works lb. .14½ - —
tanks lb. .12½ - —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½ - —
tanks, works lb. .05½ - —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .41½ - .42½
l.c.l., same basis lb. .42½ - .43¼
tanks, same basis lb. .40 - .41
Dillseed, natural, bgs lb. .11½ - .12
dewhiskered, bgs. lb. .12 - .13
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½ - —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .72½ - —
l.c.l., works lb. .73 - —
tanks, works lb. .71 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16½ - —
Dimethylamine, 25%-40%, dms., cl., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .38 - .38½
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l. lb. .25 - —
tanks lb. .21 - —
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, crude, bbls lb. .16 - —
Dinitrochlorobenzene, 4% m.p., dms. lb. .13½ - .14
Dinitrophenol, bbls. lb. .33 - —
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms. lb. .21 - —
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .41½ - —
l.c.l., frt. alld lb. .42½ - —
tanks, frt. alld lb. .40 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .43 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½ - —
tanks, same basis lb. .23½ - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .59 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .48
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.50 - 3.75
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16½ - —

Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton. 64.00 - 66.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.10 - 1.25
reeds, cs lb. 1.75 - 2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 17.00 - 17.60
Green, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 22.20 - 22.85
No. 3, cns. lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. lb. 7.55 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb. 22.20 - 22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40



WHEN YOU THINK OF
MERCURY
THINK OF
MALLINCKRODT

PINE CHEMICALS Mallinckrodt SINCE 1867

Mallinckrodt Mercurials

CALO-CLOR®
CALOGREEN®
Cinnabar (Mercury Sulfide Red)
Mercurial Ointment Strong USP XIII
Mercurial Ointment Mild USP XIII 10% (Blue Ointment)
Mercurial Ointment Mild USP XI 30%
Mercuric Acetate
Mercuric Acetate A. R.
Mercuric Bromide A. R. (ACS)
Mercuric Chloride N. F. VIII Crystals
Mercuric Chloride N. F. VIII Granular (Mercury Bichloride) (Corrosive Sublimate)
Mercuric Chloride N. F. VIII Powder 80 Mesh
Mercuric Chloride A. R. (Gran) (ACS)
Mercuric Cyanide A. R.
Mercuric Cyanide N. F. VIII
Mercuric Iodide Red N. F. VIII
Mercuric Iodide Red A. R.
Mercuric Nitrate Granulated
Mercuric Nitrate A. R.
Mercuric Nitrate Ointment N. F. VIII (Citrine Ointment)
Mercuric Oxide Red, Technical
Mercuric Oxide Red N. F. VIII
Mercuric Oxide Red N. F. VIII Powder
Mercuric Oxide Red A. R.
Mercuric Oxide Yellow, Technical
Mercuric Oxide Yellow USP XIII
Mercuric Oxide Yellow A. R. (ACS)
Mercuric Salicylate N. F. VIII
Mercuric Sulfate Purified Granulated
Mercuric Sulfate A. R.
Mercurous Chloride Mild USP XIII (Calomel)
Mercurous Chloride Mild USP XIII (Precipitated Calomel)
Mercurous Chloride A. R. (ACS) (Powd)
Mercurous Iodide Yellow N. F. VIII
Mercurous Nitrate Crystals
Mercurous Nitrate A. R. (Cryst)
Mercurous Sulfate A. R.
Mercury Distilled
Mercury USP XIII Redistilled
Mercury A. R. (ACS)
Mercury Brilliant (Precision Tube Grade)
Mercury Ammoniated USP XIII Powdered
Mercury Mass N. F. VIII (Blue Mass)
Mercury Mass Dry Powder
Mercury (ic) Oleate USP XIII
Mercury with Chalk N. F. VIII
Mixture Corrosive Sublimate and Acid Citric
Mixture Corrosive Sublimate and Ammonium Chloride
Potassium Mercuric Iodide
Pyridylmercuric Acetate Technical
Pyridylmercuric Chloride Technical
Pyridylmercuric Stearate Technical
PYRIDOSE®
SUSPENSION CALO-CLOR®
SUSPENSION CALOGREEN®

82 Years of Service to Chemical Users

Mallinckrodt Chemical Works

Uniform, Dependable Purity

Mallinckrodt Street, St. Louis 7, Mo.
72 Gold Street, New York 8, N. Y.
Chicago • Cincinnati • Cleveland • Los Angeles
Montreal • Philadelphia • San Francisco

Dyes, Coaltar, Certified Colors—Ethyl Nitrite

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—

Yellow, FD&C, No. 1, cns.	lb.	10.50	-11.05
No. 3, cns.	lb.	3.30	- 3.40
No. 4, cns.	lb.	3.30	- 3.40
No. 5, cns.	lb.	4.00	- 4.10
No. 6, cns.	lb.	4.00	- 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—

Black, D&C, No. 1, cns.	lb.	10.95	• —
Blue, D&C, No. 4, cns.	lb.	13.55	• —
Brown, D&C, No. 1, cns.	lb.	16.10	• —
Green, D&C, No. 5, cns.	lb.	16.10	• —
No. 6, cns.	lb.	16.10	• —
No. 7, cns.	lb.	14.80	• —
Orange, D&C, No. 3, cns.	lb.	10.95	• —
No. 4, cns.	lb.	20.05	• —
No. 5, cns.	lb.	5.70	• —
No. 10, cns.	lb.	20.70	• —
Red, D&C, No. 8, cns.	lb.	3.75	• —
No. 9, cns.	lb.	3.75	• —
No. 10, cns.	lb.	3.00	• —
No. 11, cns.	lb.	2.25	• —
No. 12, cns.	lb.	3.00	• —
No. 17, cns.	lb.	10.95	• —
No. 18, cns.	lb.	24.00	• —
No. 21, cns.	lb.	4.70	• —
No. 22, cns.	lb.	10.95	• —
No. 28, cns.	lb.	24.65	• —
No. 33, cns.	lb.	17.45	• —
Violet, D&C, No. 1, cns.	lb.	16.10	• —
No. 2, cns.	lb.	16.10	• —
Yellow, D&C, No. 7, cns.	lb.	10.95	• —
No. 8, cns.	lb.	10.95	• —
No. 10, cns.	lb.	13.50	• —
No. 11, cns.	lb.	13.50	• —
No. 22, cns.	lb.	9.15	• —
No. 33, cns.	lb.	14.65	• —
No. 37, cns.	lb.	13.55	• —

Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—

Green, Ext. D&C, No. 1, cns.	lb.	16.10	• —
Red, Ext. D&C, No. 1, cns.	lb.	13.50	• —
Yellow, Ext. D&C, No. 1, cns.	lb.	10.95	• —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Chrysodine G.	lb.	.59	• —
27 Orange G.	lb.	.71	• —
31 Amido naphthol red G.	lb.	.59	• —
36 Alizarine yellow 2G.	lb.	.82	• —
40 Alizarine yellow R.	lb.	.97	• —
57 Amido naphthol red 6B	lb.	.97	• —
79 Ponceau R.	lb.	.68	• —
151 Orange II.	lb.	.44	• —
165 Red lake C.	lb.	1.05	• —
176 Red lake A.	lb.	.80	• —
179 Azo rubine	lb.	.95	• —
180 Diamond blue 3B	lb.	.84	• —
185 Cochineal red A	lb.	.85	• —
202 Chrome blue black R	lb.	.62	• —
203 Chrome black T	lb.	.72	• —
208 Sulphon acid blue R	lb.	.83	• —
216 Acid alizarin red B	lb.	.77	• —
234 Resorcin brown	lb.	.62	• —
246 Naphthol blue black	lb.	.78	• —
278 Benzo fast red SBL	lb	2.96	• —
289 Sulphon cyanine 5R extra	lb.	1.00	• —
299 Diamond black F	lb.	1.38	• —
304 Nerol 2B	lb.	1.83	• —
326 Benzo fast orange S	lb.	1.57	• —
332 Bismarck brown R	lb.	.78	• —
365 Chrysophenine	lb.	2.14	• —
382 Diamine scarlet B	lb.	1.56	• —
401 Diamine black BH	lb.	.58	• —
406 Benzo blue 2B conc	lb.	.98	• —
419 Diamine fast red F	lb.	1.05	• —
420 Diamine brown M	lb.	.82	• —
448 Benzo purpurine 4B	lb.	1.08	• —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):

518 Diamine sky blue FF	lb.	1.48	• —
561 Trisulphon brown B	lb.	1.78	• —
581 Direct deep black EW extra.	lb.	.81	• —
593 Diamine green B	lb.	.60	• —
598 Congo brown G	lb.	1.20	• —
620 Sun yellow	lb.	.84	• —
639 Xylene light yellow	lb.	1.77	• —
640 Tartrazine	lb.	1.34	• —
655 Auramine	lb.	1.69	• —
657 Malachite green	lb.	1.93	• —
662 Brilliant green	lb.	2.55	• —
667 Brilliant milling green B	lb.	3.27	• —
671 Glaucine	lb.	1.54	• —
680 Methyl violet B	lb.	.95	• —
681 Crystal violet	lb.	1.91	• —
698 Formyl violet S4B	lb.	1.51	• —
720 Chrome azurol B	lb.	3.60	• —
729 Victoria blue B	lb.	2.68	• —
737 Wool green S	lb.	2.14	• —
749 Rhodamine B	lb.	3.85	• —
814 Chloramine yellow	lb.	2.76	• —
841 Safranine	lb.	2.58	• —
865 Nigrosine WSJ 78	lb.	.56	• —
922 Methylene blue GXX	lb.	1.28	• —
969 Hydron blue R	lb.	.72	• —
978 Sulphur black T extra	lb.	.28½	• —
1027 Alizarin VI	lb.	.64	• —
1034 Alizarin red S	lb.	2.30	• —
1054 Alizarin saphiro B	lb.	2.59	• —
1078 Alizarin cyanine green	lb.	2.61	• —
1085 Alizarin blue black B	lb	2.13	• —
1086 Indanthrene golden orange G, single paste	lb.	1.96	• —
double paste	lb.	3.92	• —
1099 Indanthrene dark blue BO, single paste	lb.	1.72	• —
1101 Caledon jade green	lb.	2.32	• —
1106 Indanthrene blue RS, single double paste	lb.	2.52	• —
double paste	lb.	2.13	• —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):

1113 Indanthrene blue GCD, double paste	lb.	1.72	• —
1150 Indanthrene olive R, single paste	lb.	1.08	• —
1151 Indanthrene brown R, single paste	lb.	1.65	• —
double paste	lb.	3.29	• —
1212 Indanthrene red violet RH, single paste	lb.	1.54	• —
1217 Helindon orange R, single paste	lb.	1.57	• —
p-4 Acid anthracine brown P.G.	lb.	2.48	• —
p-14 Anthracene chromate brown EB	lb.	1.25	• —
p-24 Benzo fast black L	lb.	1.94	• —
p-80 Diazo brilliant scarlet ROA	lb.	2.55	• —
p-202 Zambesi black V	lb.	1.07	• —
p-244 Celliton scarlet B	lb.	1.37	• —
p-313 Naphthol AS-SW	lb.	2.74	• —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black, blue, No. 550	lb.	.72	• —
Jet, No. 551	lb.	.79	• —
Brown, R, conc	lb.	1.44	• —
Orange R, brilliant	lb.	.80	• —
Red 4 B, conc	lb.	1.22	• —
Yellow, C	lb.	1.05	• —
FN, conc	lb.	1.08	• —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.

Auramine, O	lb.	1.66	• —
Black, basic, blue	lb.	1.08	• —
Jet	lb.	1.08	• —
Blue, methylene, 2 B, conc	lb.	1.44	• —
Brown, Bismarck, R, conc	lb.	.78	• —
Chrysodine, R, extra	lb.	.54	• —
Y, extra	lb.	.58	• —
Fuchsine, conc	lb.	2.84	• —
Green, malachite, conc	lb.	1.80	• —
Rhodamine, B	lb.	3.97	• —
Safranine, Y, conc	lb.	2.66	• —
Violet, methyl, B	lb.	1.08	• —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

Black, acid blue, B, extra	lb.	.76	• —
Orange, acid, Y, conc	lb.	.43	• —
Rhodamine, azo- R, extra, conc.			
Rhodamine, R, extra, conc	lb.	3.97	• —
Scarlet, croceine, MOO	lb.	1.33	• —
Yellow, azo-, conc	lb.	.32	• —
Fast light, 3 G, extra	lb.	1.99	• —
Methanil, conc	lb.	.83	• —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher

E

Echinacea root, bls	lb.	.45	.55
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.22	- 1.30
tanners, bbls	lb.	.06½	- .07
Elder flowers, bright, bls	lb.	.45	.50
Elecampane root, bls	lb.	.25	.28
Elm bark, grinding, bls	lb.	.34	- .35
powd., bbls., bxs	lb.	.45	- .47
select, bndls	lb.	.58	- .65
Emetine hydrochloride, USP, bots	oz.	38.75	-42.00
Ephedra herb, bls	lb.	.18	- .37
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.98	• —
hydrous, bots., 100 ozs	oz.	.92	• —
Hydrochloride, tin, 100 ozs	oz.	.75	• —
Sulphate, cryst., tins, 100 ozs.	oz.	.72	• —
powd., tins, 100 ozs	oz.	73	• —
Epichlorohydrin, dms., c.l., works	lb.	.36½	• —
l.c.l., works	lb.	.37	• —
tanks, works	lb.	.35	• —
Epinephrine, synth., USP, bots gram		.60	- .70
Epsom salt, tech., bgs., c.l., works.	100 lbs.	2.15	• —
l.c.l., works	100 lbs.	2.90	- 3.15
USP, cryst., bgs., c.l., works	100 lbs.	2.35	• —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	• —
smaller lots	100 lbs.	3.35	• —
Ergot, NF, dms., tin-lined	lb.	1.85	- 2.00
Eserine, bots	oz.	55.00	-56.00
Salicylate, USP, bots	oz.	38.75	-39.75
Sulphate, bots	oz.	60.00	-61.00
Ether, acetate (see Ethyl acetate).			
Amyl, dms., c.l., works	lb.	.095	• —
l.c.l., works	lb.	.102	• —
tanks, works	lb.	.085	• —
Butyl, dms., c.l., dlvd	lb.	.30½	• —
l.c.l., dlvd	lb.	.31	• —
tanks, dlvd	lb.	.29	• —
Butyric (see Ethyl butyrate).			
Dichloroethyl, purif., dms., works.	lb.,	16½	• —
l.c.l., same basis	lb.	.17	• —
tanks, same basis	lb.	.15	• —
Divinyl, USP, anesthesia, bots., 50 cc. hospitals	bot.	1.00	• —
75 cc. hospitals	bot.	1.56	• —
Ethyl, absolute, ACS, dms	lb.	.30	• —
Anesthesia, USP, hospital, cns	lb.	.75	- .90
Industrial, USP, dms., c.l., dlvd	lb.	.12	• —
l.c.l., same basis	lb.	.13	• —
tanks, same basis	lb.	.10	• —
synthetic, dms. incl., frt. alld	lb.	.11½	• —
l.c.l., same basis	lb.	.12½	• —
tanks, same basis	lb.	.10	• —
Isopropyl, dms., c.l., dlvd	lb.	.06	• —
l.c.l., dlvd	lb.	.06½	• —
tanks, dlvd	lb.	.04½	• —
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.11½	• —
l.c.l., frt. alld	lb.	.12½	• —
tanks, frt. alld	lb.	.10	• —
95-98%, dms., c.l., frt. alld.	lb.	.11¾	• —
l.c.l., frt. alld	lb.	.12¾	• —
tanks, frt. alld	lb.	.10¼	• —
99%, dms., c.l., frt. alld.	lb.	.12	• —
l.c.l., frt. alld	lb.	.13	• —
tanks, frt. alld	lb.	.10¼	• —
synthetic, 85-90%, dms., c.l., frt. alld	lb.	11½	• —
l.c.l., frt. alld	lb.	.12½	• —
tanks, frt. alld	lb.	.10	• —
95-98%, dms., c.l., frt. alld	lb.	.11¾	• —
l.c.l., frt. alld	lb.	.12¾	• —
tanks, frt. alld	lb.	.10¼	• —
99%, dms., c.l., frt. alld	lb.	.12¼	• —
l.c.l., frt. alld	lb.	.13¼	• —
tanks, dlvd	lb.	.10¾	• —
Acetoacetate, dms., c.l., dlvd	lb.	.47½	• —
l.c.l., dlvd.	lb.	.48½	• —
tanks, dlvd	lb.	.46	• —
Benzoate, dms	lb.	.68	• —
Betaethoxypropionate, dms., works	lb.	.70	• —
Bromide, tech., 98%, dms	lb.	.39	• .41
Butyrate, bots.	gal.	4.75	• —
cns., works	lb.	.65	.70
dms., works	lb.	.60	• —
Carbamate (see Urethane).			
Chloride, tech., tanks	lb.	.13½	• —
USP, bbls., cyl	lb	.20	.22
Cinnamate, cns	lb.	2.30	3.60
Formate, dms	lb.	.38	• —
Iodide, bots	lb.	4.08	4.27
Lactate, dms., works	lb.	.41	• —
Methycrylate, M-2, dms., works	lb.	.60	• —
cns., works	lb.	.63	.67
P-2, cns., works	lb	.65	• —
Myristate, dms., works	lb.	No prices.	
Nitrite (see Ether, nitrous).			

MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
DDT Government Specifications
2,4-D Acid, Salt and Isopropyl Ester
TRICRESYL PHOSPHATE
ERGOSTEROL
(Non Irradiated)
MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y. TRIBUNE TOWER, CHICAGO, ILLINOIS

Ethyl oenanthate, dms. ..... lb. 1.00 - 2.00
Oleate, dms., l.c.l., works ..... lb. .53 - —
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethyl orthosilicate)
40% available SiO_2, dms., works, lb. .55 - —
Ethylalphanaphthylamine, dms. lb. .80 - —
Ethylanilin, dms ..... lb. .60 - —
Ethylbenzene, dms., c.l. ..... lb. .14 - —
l.c.l. ..... lb. .15 - —
tanks ..... lb. .13 - —
Ethylcellulose, 5lb. dms., 5,000 lbs., works lb. .52 - —
smaller lots, works ..... lb. .54 - .62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies lb. .09½- —
W. of Rockies ..... lb. .10½- —
l.c.l., works, frt. alld., E. of Rockies lb. .10½- —
W. of Rockies ..... lb. .11½- —
tanks, frt. alld. E. Rockies ... lb. .08 - —
W. of Rockies ..... lb. .09 - —
Oxide, cyls., c.l., works ..... lb. .23¾- .25
l.c.l., works ..... lb. .24¾- .26
tanks, works and frt. equald. or alld. lb. .15¾- .16¾
Trichloride (see Trichloroethane).
Ethylenediamine, tanks, works lb. .50 - —
Ethyleneglycol, dms., c.l., frt. alld. E. lb. .16 - —
l.c.l., same basis ..... lb. .17 - —
tanks, same basis ..... lb. .14½- —
Diethylether, dms., l.c.l., works, lb. .50 - —
Monobutylether, dms., c.l., works, lb. .21½- —
l.c.l., works ..... lb. .22 - —
tanks, works ..... lb. .20 - —
Ethyleneglycol monoethylether, dms. c.l., works lb. .18 - —
l.c.l., works ..... lb. .18½- —
tanks, works ..... lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .16½- —
l.c.l., works ..... lb. .17 - —
tanks, works ..... lb. .15 - —
Monomethylether, dms., c.l., works lb. .19½- —
l.c.l., works ..... lb. .20 - —
tanks, works ..... lb. .18 - —
Monomethylether acetate, dms., c.l., works lb. .24½- —
l.c.l., works ..... lb. .25 - —
tanks, works ..... lb. .23 - —
Monostearate, dms ..... lb. .38 - .40
Ethylethanolamines, mixed, dms., c.l., works lb. .32 - —
l.c.l., works ..... lb. .33 - —
Ethylmorphine hydrochloride, USP, bots ..oz.11.85 - —
Ethylorthotoluidine, bbls ..... lb. .80 - —
Ethylvanillin, cns., 5 lbs. or more lb. 6.75 - —
smaller lots ..... lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms ..... lb. 1.75 - 2.05
Eucalyptus leaves, bls ..... lb. .11 - .14
Eugenol, prime, USP ..... lb. 2.00 - 2.50
Euphorbia pil., herb, bls ..... lb. .13 - .14

F

Feldspar, enamel, 100 mesh, bgs., works ..ton.20.00 -22.00
Glass, 20 mesh, bulk, tons, works ..ton.11.75 -12.50
bulk, c.l., works ..... ton.18.00 -20.00
Pottery, bgs., 2 ton lots, works. ton.20.00 -22.00
bulk, c.l., works ..... ton.17.00 -19.00
Fennel seed, Argentine, bgs. ... lb. .09¾- .10½
French, bgs ..... lb. .12 - .12½
Indian, bgs ..... lb. .12 - .12½
Fenugreek, domestic, bgs. ..... lb. No stocks.
Indian, bgs. ..... lb. .11½- .12½
futures, bgs. ..... lb. .10¼- .10½
Moroccan, bgs ..... lb. .11 - .11½
Ferric-ammonium citrate (see iron-ammonium citrate).
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11 - —
water-white, cs., works ..... lb. .13 - —
Fir balsam, Canada, cns ..... gal.32.50 -33.00
Oregon, bbls ..... gal. 2.35 - 2.45
Fishberries, bgs ..... lb. .24 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ..ton.185.00 - —
65% protein, bgs., Balto. area. ton.190.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area ..ton.175.00 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls. ..... lb. .45 - .47
Fluorspar, acid grade, bgs., c.l., mines ..ton.47.50 - —
l.c.l., mines ..... ton.49.50 - —
bulk, contract, c.l., mines ton.42.00 - —
noncontract, c.l., mines ton.45.00 - —
l.c.l., mines ..... ton.47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines ..net ton.39.00 -41.00
powd., 90-92% ..... ton.41.00 - —
foundry grade, lump, 55-60%, ton.34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton.35.00 -37.00
65%, bulk, c.l., mines ..... ton.34.00 -36.00
60%, bulk, c.l., mines ..... ton.33.00 -35.00
less than 60%, bulk, c.l., mines. ton.32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
l.c.l., E. works ..... lb. .0620- —
tanks, E. works ..... lb. .0370- —
methanol-free (uninhibited), tanks, works ..lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines ..ton.30.00 - —
Tex., mines ..... ton.27.00 - —
spent, bulk, Bayonne ..... ton. 2.00 - 4.00
imp., bgs., c.l. ..... ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works ..... lb. .14 - —
tanks, works ..... lb. .09½- —
Fusel oil, refined, dms., c.l. ..... lb. .23½- —
l.c.l. ..... lb. .24½- —
tanks ..... lb. .22 - —
Fustic extract, cryst., No. 1, bbls., l.c.l. ..lb. .42½- —
No. 1A, bbls., l.c.l. ..... lb. .41½- —
No. 2, bbls., l.c.l. ..... lb. .40½- —
No. 3, bbls., l.c.l. ..... lb. .38½- —
liquid, No. 0, bbls., l.c.l. ..... lb. .22 - —
No. 1, bbls., l.c.l. ..... lb. .20½- —
No. 2, bbls., l.c.l. ..... lb. .19½- —
No. 3, bbls., l.c.l. ..... lb. .17 - —
solid, No. 1, bxs., l.c.l. ..... lb. .28 - —

G

G salt, bbls ..... lb. .59 - .60
Galangal root, bls. ..... lb. .14 - .15
Gambier, plantation, bgs., ex dock. lb. No stocks.
Extract, bbls ..... No stocks.
Gammapicoline, 95%, dms., c.l., works ..lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 74-76 octane, tanks, gal. .10375- —
Bayonne, 76 octane, tanks. gal. .116 - —
Gulf coast, 74-76 octane, tanks, gal. .10 - .11
Group 3, 74-76 octane, tanks, gal. .10 - .10375
Pennsylvania, western, U. S. motor, 74-76 octane, leaded tanks ..gal. .12 - —
natural, 26-70 octane, group 3, tanks ..gal. .055 - —
Gelatin, silver label, cs., works ... lb. 1.20 - —
Gelsemium root, bls ..... lb. .25 - .30
Gentian root, bls ..... lb. .13 - .16
grd., bbls., bxs ..... lb. .17 - .19
powd., bbls., bxs ..... lb. .18 - .20
Geraniol, extra, cns., dms ..... lb. 2.50 - 2.75
prime ..... lb. 2.20 - 2.40
Geranyl acetate, cns ..... lb. 2.65 - 3.90
Ginger, oleoresin, bots ..... lb. 4.50 - 4.75
Root, African, bls ..... lb. .33 - .34
Cochin, bleached, bgs ..... lb. No stocks.
unbleached, bgs ..... lb. .20 Nom.
Jamaica, No. 1, bgs ..... lb. .40 - .41
No. 2, bgs ..... lb. .36 - .37
No. 3, bgs ..... lb. .35 - .36
Rhattoon, bgs ..... lb. .33 - .34
Ginseng root, cs ..... lb.12.00 -16.00
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 2.00 - —
l.c.l. bgs., works ..... 100 lbs. 2.25 - 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest .. lb. .14½- —
40-65, bgs., c.l., same basis .. lb. .16½- —
65-90, bgs., c.l., same basis .. lb. .18 - —
95-145, bgs., c.l., same basis. lb. .22½- —
145-180, bgs., c.l., same basis. lb. .25 - —

Bone glue, l.c.l., prices 1c. higher than c.l.

Glue, bone, ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd .. lb. .16 - —
l.c.l., same basis ..... lb. .17 - —
pulverized, 50-60 jellygrams, bgs., c.l., (50,000 lbs.) same basis .. lb. .18½- —
l.c.l., same basis ..... lb. .19½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd .. lb. .22 - .25
122-149, bgs., c.l., dlvd ..... lb. .23 - .26
150-177, bgs., c.l., dlvd ..... lb. .24 - .27
178-206, bgs., c.l., dlvd ..... lb. .25 - .29
207-236, bgs., c.l., dlvd ..... lb. .26 - .30
237-266, bgs., c.l., dlvd ..... lb. .27 - .31
267-296, bgs., c.l., dlvd ..... lb. .28 - .32
299-330, bgs., c.l., dlvd ..... lb. .29 - .33
331-362, bgs., c.l., dlvd ..... lb. .30 - .33
363-394, bgs., c.l., dlvd ..... lb. .31 - .34
395-427, bgs., c.l., dlvd ..... lb. .32 - .35
428-460, bgs., c.l., dlvd ..... lb. .33 - .36½
461-494, bgs., c.l., dlvd ..... lb. .34 - .38
495-529, bgs., c.l., dlvd ..... lb. .35 - .39

Hide glue, l.c.l., prices 1c. higher than c.l.; bbls., ½c. more than bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd .. lb. .16¾- .18¾
soapylye, 80%, tanks, dlvd .. lb. .15¼- .18¼
dynamite, dms., c.l., dlvd ..... lb. .24 - —
l.c.l., dlvd ..... lb. .24½- —
tanks, dlvd ..... lb. .23½- —
high gravity, dms., c.l., dlvd .... lb. .24¼- —
l.c.l., dlvd ..... lb. .24¾- —
tanks, dlvd ..... lb. .23¾- —
refined, BP, 93%, dms., c.l., dlvd. lb. .25½- —
l.c.l., dlvd ..... lb. .26 - —
tanks, dlvd ..... lb. .25 - —
Glycerin, refined, USP, c.p., 95% dms., c.l., dlvd .. lb. .24¾- —
l.c.l., dlvd ..... lb. .25¼- —
tanks, dlvd ..... lb. .24¼- —
yellow, distilled, dms., c.l., dlvd lb. .24½- —
lb. .24½- —
l.c.l., dlvd ..... lb. .24⅝- —
tanks, dlvd ..... lb. .23⅝- —
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms ..... lb. .28 - .30
Glyoxal, 30%, dms., c.l., works lb. .17½- —
l.c.l., works ..... lb. .18 - —
tanks, works ..... lb. .17 - —
Gold chloride, acid-brown, bots ... oz.22.00 -22.25
acid-yellow, bots ..... oz.20.00 -20.25
Gold of pleasure seed, bgs ..... lb. .40 - .41
Goldenseal root, bls ..... lb. 3.65 - 4.00
powd., bxs ..... lb. 4.25 - 4.50
Gold-sodium chloride, photo, bots. oz.13.50 -14.00
USP IX, bots ..... oz.14.50 -15.00
Grains of paradise, bgs ..... lb. .28½- .29
Graphite, imported, amorph., powd., bgs., dlvd lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse .. lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse .. lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse .. lb. .21 - .22
No 2 whse ..... lb .23 - —
Grease, house, loose, dlvd ..... lb. .03¾- —
White, choice, loose ..... lb. .05¼- —
Wool (see Degras and Lanolin).
Yellow, loose ..... lb. .04 - —

Nothing takes the place of Glycerine

Each year, millions of pounds of glycerine flow into the manufacture of the staples of the coating industry: the alkyds . . . the ester gums. And each year, in hundreds of new applications over a wide range of products (finger paint is just one), glycerine demonstrates again and again its unparalleled versatility.

A trihydric alcohol, glycerine lends itself to numerous syntheses because of the easily controllable reactivity of its OH groups. Glycerine-based resins are readily manufactured with a minimum of variation from batch to batch.

Also, glycerine is a plasticizer . . . a humectant . . . a solvent. It resists oil and grease. It's immiscible with hydrocarbon solvents. It's an anti-freeze. Its combination of physical and chemical properties can be matched by no other product.

That's why for dependable performance in the coatings industry —or in almost any industry—*Nothing takes the place of glycerine!*

GLYCERINE PRODUCERS' ASSOCIATION
295 Madison Avenue
NEW YORK 17, N. Y.

Technical GLYCERINE NEWS

A CORROSION-RESISTANT COATING FROM CASHEW NUTS is said to produce a bond with iron, steel, and other metals so strong that it is practically impossible to separate. Secret of the unusually strong bond is a sublayer paint made from an alkyd resin, an important end-product of glycerine. (R-6)

★ ★ ★

NEW WATER-REMOVABLE PAINTS, described as glycerine-plasticized gluten dispersions, are said to be useful as temporary masks to keep sprayed paint off selected areas. (R-7)

★ ★ ★

WHY ALKYDS IN PRINTING INKS? A comprehensive report, published recently, in a leading periodical, discusses the reasons for the growing importance of alkyd resins in printing inks. Chief reason, given by the authors, is the improved properties—such as faster drying, greater scratch-resistance, and better "hold-out"—imparted to the inks by the alkyds. (R-8)

★ ★ ★

TABLE OF GLYCEROL VISCOSITIES NOW AVAILABLE. The research laboratories of the Glycerine Producers' Association have prepared a table of viscosities of glycerol in aqueous solution from 0 to 100 per cent, at from 0 to 100 degrees C. Copies may be obtained by checking item (R-9) on the coupon below.

★ ★ ★

AN IMPROVED ANTI-ICE PAINT for preventing ice formation and accumulation on various surfaces including aircraft propellers is said to be prepared by reacting glycerine and phthalic anhydride. It can be applied by spraying or brushing, the maker states. (R-10)

GLYCERINE PRODUCERS' ASSOCIATION, DEPT. 6
295 MADISON AVENUE
NEW YORK 17, N. Y.

I should like to know the source of those items appearing in Technical Glycerine News which I have checked below.

☐ R-6 ☐ R-7 ☐ R-8 ☐ R-9 ☐ R-10

NAME.....

COMPANY.....

ADDRESS.....

Green, Brilliant—Hexane

Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs.,works lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .36 - —
6-10%, bbls., same basis lb. .37 - —
11-15%, bbls., same basis lb. .37¾- —
16-20%, bbls., same basis lb. .38½- —
21-25%, bbls., same basis lb. .39½- —
26-30%, bbls., same basis lb. .39¾- —
31-35%, bbls., same basis lb. .39½- —
36-40%, bbls., same basis lb. .42½- —
41-45%, bbls., same basis lb. .44 - —
46-50%, bbls., same basis lb. .45¼- —
50% and over, bbls., same basis lb. .46¾- —
reduced color, 5%, bbls., same basis lb. .12¾- —
6-10%, bbls., same basis lb. .13½- —
11-13%, bbls., same basis lb. .14 - —
14-16%, bbls., same basis lb. .14¾- —
17-19%, bbls., same basis lb. .15 - —
20-21%, bbls., same basis lb. .15¼- —

Green, chrome, reduced color, 22-23%, bbls., same basis lb. .15½- —
24-25%, bbls., same basis lb. .15½- —
26-27%, bbls., same basis lb. .16 - —
28-29%, bbls., same basis lb. .16½- —
30-31%, bbls., same basis lb. .17½- —
32-33%, bbls., same basis lb. .18¾- —
34-35%, bbls., same basis lb. .19¾- —
36-40%, bbls., same basis lb. .22½- —
41-45%, bbls., same basis lb. .24¾- —
46-50%, bbls., same basis lb. .26¼- —
51-55%, bbls., same basis lb. .26 - —
56-60%, bbls., same basis lb. .26½- —
61-65%, bbls., same basis lb. .27½- —
66-70%, bbls., same basis lb. .28¾- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar).

Green, malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works lb. 4.40 - 5.00
Tungstated, brilliant, kgs. lb. 3.00 - 4.00
Emerald, kgs lb. 2.60 - —
Verdigris (see V).
Grindelia robusta herb, bls lb. .25 - .30
Guaiac resin, cs lb. .48 - .49
Wood, bls lb. .35 - .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, dms lb. 2.95 - 3.00
Guarana, powd., cs lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs lb. .90 - .95
Arabic, amber, sorts, bgs. lb. .12 - .14
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs lb. .45 - .50
Camphor (see C)
Copal, Congo, No. 1, bgs lb. .25 - .26
No. 2, bgs lb. .18 - .20
No. 3, bgs lb. .13½- .15
Manila, loba, B, bgs lb. .25 - .27
C, bgs lb. .23 - .24½
CBB, bgs lb. .19 - .20
CNE, bgs lb. .13½- .15
DBB, bgs lb. .17½- .19½
DK, bgs lb. .13 - .14
dust, bgs lb. .07 - .08
soft, MA, bgs lb. .11 - .12½
WS, bgs lb. .21 - .22
Philippine, pale, chips, bgs lb. .18½- .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½- .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs lb. .32 - .35

Gum, dammar, Batavia, A/D, bgs lb. .26 - .30
A/E, bgs lb. .22 - .23
dust, bgs lb. .08½- .09½
E, bgs lb. .13½- .14¼
East India, batu, bold, bgs lb. .10 - .11
nubs & chips, bgs. lb. .07½- .09
black, bold, bgs lb. .12½- .13½
unscraped, bgs. lb. .09½- .10½
nubs & chips, bgs. lb. .09½- .10½
pale, chips, bgs. lb. .13 - .15
nubs, bgs lb. .25 - .27
Singapore, No. 1, bgs lb. .33 - .35
No. 2, bgs. lb. .22 - .23
No. 3, bgs. lb. .10 - .12
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 - .22
Ester, um-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .17 - .17¾
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc lb. .17 - .17¾
Euphorbium, cs lb. .50 - .55
Galbanum, cs lb. .98 - 1.00
Gamboge, pipe, cs lb. 1.20 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Gualac resin).
Karaya, powd., No. 1 lb. .51 - .52
No. 2 lb. .47 - .48
No. 3 lb. .39 - .40
Kauri, bgs lb. .31½- .32¾
Locust bean, powd., bgs lb. .31½- .32
Mastic, cs lb 2.25 - 2.30
Myrrh, cs lb. .35 - .38
Olibanum, siftings, cs lb. .12 - .13
tears, cs lb. .22 - .38
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. .90 - .95
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 3.00 - 3.25
No. 2, cs lb. 2.40 - 2.65
No. 3, cs lb. 2.00 - 2.25
powdered, USP, bbls lb. 1.35 - 1.45
Yacca, bgs lb .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald ton.17.00 - —
Sweetwater, Tex., frt equald ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme., Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Saltville, Va., frt equald ton. 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, Akron, N. Y., frt. equald
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N.H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs lb. .50 - .57
Heliotropin, cryst., cns lb. 2.85 - 3.05
Hellebore root, dom., green, bls lb. .63 - .65
imp., black, whole, bls lb. .23 - .25
ground, bxs lb. .28 - .30
powder, bxs lb. .30 - .32
white, whole, bls lb. .35 - .43
powder, bxs lb. .37 - .45
Helonias root, bls lb. 1.65 - 1.75
bbls., l.c.l lb. 45½ —
No. 1, bbls., l.c.l lb. 44½- —
No. 1A, bbls., l.c.l lb. 41½- —
No. 2, bbls., l.c.l lb. 40½- —
No. 3, bbls., l.c.l lb. 38½- —
No. 4, bbls., l.c.l lb. 36½- —
No. 5, bbls., l.c.l lb. 34½- —
paste, No. 1, bbls., l.c.l lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l lb. .17 - —
No. 4, (red), bbls., l.c.l lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Hematine extract, cryst., No. 0, lb. .30 - .40
Henbane leaves, bls lb. .21 - .23
Henna leaves, bls lb. .25 - .27
powd., bbls., bgs lb. .16 - —
Heptane, industrial, Bayonne, N. J., tanks gal. .12½- .13½
group 3, tanks gal.
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots, Perth Amboy or N.Y.C lb. .25 - —
bbls. lb. .25½- —
smaller lots, bgs., same basis. lb. .26 - —
bbls. lb. .26½- —
USP, dms., 500 lbs., or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Diphosphate, USP, bots kilo.500.00 - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks gal. .13½- .14½
Bayonne, N. J., tanks gal. .16 - —

Penicillium, sp. (blue green mold). Magnification 36x.

Are Your Profits Molding Away?

Mold and bacteria cause countless losses by spoilage and production interruptions in nearly every industry. These microorganisms are eating away your profit when they attack your materials.

Such costly damage can now be controlled through the use of Dowicides. Practically any requirement for an industrial germicide or fungicide can be met with a Dowicide made specifically for the purpose. These Dow control agents can be incorporated in various oils and emulsions to protect and prolong their service life. Dowicides are the economical, effective answer to most mold or bacteria problems.

Investigate the Dowicides today! Available in both oil and water soluble forms, Dowicides can protect your profits from the bugs! Complete laboratory facilities are maintained by Dow to help you solve your bacterial and mold problems. Contact your nearest Dow office or write direct to Midland.

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Germicides and Fungicides

DOW

CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Hexanol, normal, dms., c.l., works, lb. .30½- —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexyleneglycol (see Methylpentanediol).
Hexylresorcinol, USP, 100 lbs. up, frt. alld lb.19.00 - —
works lb.19.00 -27.75
smaller lots, frt. alld lb.20.00 -21.50
works lb.20.00 -33.50
Histidine hydrochloride—laevo, NF, fib. dms., works, 50 kilos. kilo.120.00 - —
1-5 kilos kilo.130.00 - —
Homatropine hydrobromide, USP, bots oz.15.00 -25.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, NF oz.16.00 -18.50
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.25 - —
Hops, NF, bls. lb. .40 - .45
Horehound, bls. lb. .12 - .15
Hydrangea root, bls. lb. .14 - .17
Hydrastine, bots oz.53.50 -53.80
Hydrochloride, NF oz.29.50 -36.00
Sulphate, bots oz.53.50 -53.80
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. scns., works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19½
35%, cbys., same basis lb. .23½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¾- —
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb. .70 - —
Hydroxycitronellial, cns lb. 5.35 - 6.50
Hyoscine hydrobromide, bots oz.34.00 -38.00
Hyoscyamine, bots oz.18.00 -20.00
Hydrobromide, bots oz.18.00 -19.50
Sulphate, bots oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l lb. .44 - —
Hyssop herb, bgs lb. .45 - .50
Leaves, bgs lb. .55 - .60

I

Iceland moss, bgs lb. .40 - .50
Ichthammol, NF, bots lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots lb. .23 - —
powd., bbls lb. 1.03 - —
Indol, CP, bots lb.17.00 -19.00
Inositol, tins, divd lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse, Staten Island lb. 1.729 - —
resubl., USP, bots., jars lb. 2.53 - 2.63
Iodochlorohydroxyquinolin, NF, dms. lb. 6.40 - —
Iodoform, NF, dms., kgs lb. 4.30 - 4.74
Ionone, alpha, cns lb. 5.10 -12.30
beta, cns lb. 7.05 - 6.50
Methyl (see M).
IPC, bots., 1-5 lbs lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.30 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54
Ipecac root, bgs lb. 4.25 - 4.50
powd., bgs. lb. 4.65 - 4.90
Irish moss, bleached, prime, bls lb. .18 - .19
Iron acetate, tiquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys lb. .16 - —
djns. lb. .17 - —
Cacodylate, NF, bots lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works, 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .06¾- .08¼
solut., 42 Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .79
Gluconate, NF, dms lb. .85 - .93
Glycerophosphate, N.F., powd lb. 4.25 - 4.35
Hypophosphite, NF, dms lb. 2.80 - —
Iodide, bots lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼- .21¾
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4%, Fe, dms., frt. alld. lb. .23 - —
Stearate, dms., c.l. lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate (ferric), anhyd., bgs., c.l., works ton.28.50 - —
l.c.l., works ton.29.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28½
Iron-potassium oxalate fine gran., dms lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isobornyl acetate, cns lb. .97 - 1.10
Isobutyl acetate, cns lb. .82 - 1.25
Methacrylate, M-5, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-5, cns., works lb. .60 - —
Propionate, cns lb. No prices.
Thiocyanocetate, dms., c.l., works, gal. 3.85 - —
l.c.l., works gal. 3.85 - 4.05
tanks, works gal. 4.23 - —
Isobutyraldehyde, dms., works lb. .50 - .53
Isoeugenol, cns. lb. 3.10 - 3.40
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb.28.00 -35.00
Isopentane, dms., works lb. .45 - .55
Isophorone, dms., c.l., works lb. .23½- —
l.c.l., works lb. .24 - —
tanks, works lb. .22 - —
Isopropanol (see Acohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. E. of Rockies lb. .11½- —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .11 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works, c.s. lb. .24 - —
l.c.l., works lb. .25 - —
Isoquinoline, dms., c.l., works lb. .20 - —
l.c.l., works lb. .40 - —

J

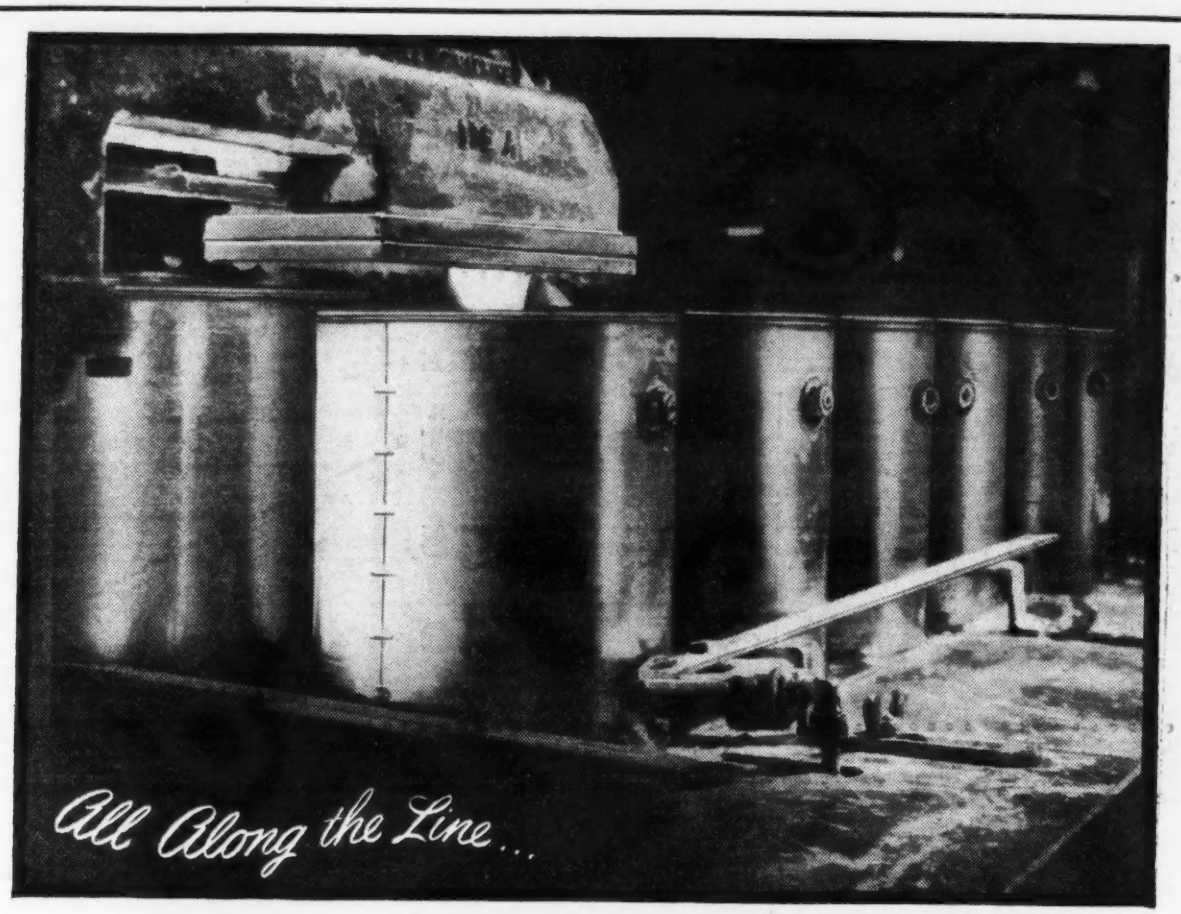
Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .40 - .45
powd., bbls., bxs lb. .45 - .55
Resin, powd., bxs lb. 7.15 - 7.25
Juniper berries, bgs lb. .09 - .18
Tar, USP, dms lb .40 - .65

K

Kamala, powd., cns lb. .45 - .48
Kaolin (see China clay).
Kava kava root, bls lb. .25 - .30
Kerosene, at refinery: Ark., 42-44 specific gravity, w.w., tanks gal. .08375- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .084 - —
California, 40-43, s.g., w.w., tanks, gal. .121 - .156
Gulf ports, 41-43, s.g., w.w., tanks, gal. .09 - .0923
Okla.-Tex., 41-43, s.g., w.w., tanks, gal. .07875- .08875
Penn., 45 s.g., w.w., tanks gal. .095 - .1025
Kola nuts, bgs lb. .08 - .10
Kyanite, imp., low iron content, 10-mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady slipper root, bls lb. 1.50 - 1.75
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .28 - .32
hydrous lb. .28 - .28½
Lard, cash, tres., Chicago lb. .11 - .11¼
Larkspur seed bgs lb. .35 - .40
Laurel berries, bls lb. .25 - .26
Leaves, Portuguese, bls lb. .10 - .11
Greek, bls lb. .08 - .08½
Turkish, bls., recleaned lb. .20 - .20½
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls lb. .20 - .21
select, bls lb. .60 - .65
Lead acetate, white, crystals, dbls., lb. .22¾- —
gran., bbls lb. .23½- —
powd., bbls lb. .23½- —
USP, cryst., dms lb. .26 - .30
gran., powd., dms lb. .26¾- .30¾
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld lb. .27 - .30
l.c.l., frt. alld lb. .31 - —
1-lb. bgs., c.l., frt. alld lb. .33 - .41½
l.c.l., frt. alld lb. .39 - .42½
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.
Blue basic sulphate, bbls., c.l., ship't point, frt. alld—lb. .14¾- —
l.c.l., works lb. .15¾- —
Carbonate (see Lead, white).
Chloride, fib. dms. lb. .49 - —
Iodide, NF V, jars lb. 2.94 - 3.13
Linoleate, liq., 13% Pb, dms., frt. alld lb. .32¾- —
Metal, pigs, prime, N. Y. lb. .14 - —
E. St. Louis lb. .1385- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .29 - —
10,000-20,000 lbs., works lb. .29½- —
2,000-10,000 lbs., same basis lb. .30 - —
100 to 2,000 lbs., same basis lb. .30½- —
Lead, naphthenate, liquid, 16% pb, dms., dlvd lb. .15¼- —
24% Pb, dms., dlvd lb. .21 - —
30% Pb, dms., dlvd lb. .25½- —
Nitrate, bbls., c.l. lb. .19 - —
l.c.l. lb. .19¼- —
Oleate, bbls. lb. .29½- —
Orthosilicate gel, 50% PbO, dms., works lb. .28¾- —
60% PbO, dms., works lb. .27¼- —
Peroxide, powd., tech., bbls lb. .33 - .34
Phthalate, dibasic, dms., works lb. .36½- —
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .16¾- —
l.c.l., same basis lb. .17¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .18 - —
98%, Pb_3O_4, bbls., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18¼- —
Resinate, precip., dms., dlvd lb. .25 - —
lb. .41¼- —
Salicylate, normal, dms., works lb. .41¼- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1610- .1675
Stearate, dibasic, dms., works lb. .49¾- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .23¼- —
Tallate, liquid, 16% Pb, dms lb. .14¼- .14¾
solid, 30% Pb, dms lb. .22¼- .22¾



...White Lead adds MORE of the Properties that Make Good Paint

White Lead fills the bill 14 ways in helping you make good paint.

All along the line... from mixing and grinding to weather resistance... this one pigment offers 14 important paint-making properties. And these properties are imparted to paint in *well-balanced proportion.*

Many of White Lead's paint-making qualities grow out of this pigment's ability to form lead "soaps"... as explained at right.

Let us help you fit "Dutch Boy" Basic Carbonate White Leads into your formulations. Our technical staff will offer recommendations backed by more than 30 years of continuous paint-fence studies... the longest project of its kind on record.

1. Mixing and Grinding Ease
2. Package Stability
3. Hiding
4. Brushability
5. Leveling
6. Drying Action
7. Whiteness
8. Fool-Proofness
9. Film Strength
10. Flexibility
11. Tint Retention
12. Adhesion
13. Gloss
14. Weather Resistance

How Lead "Soaps" Improve Paint

White Lead combines with oil to produce a distinctive type of "soap" formation, having a fibrous structure. The photomicrograph shows how multiple projections radiate from each central core.

As the soaps grow, these projections intermesh and the paint film is mechanically reinforced... given greater toughness, elasticity, adhesion, and weather resistance.

White Lead's tendency to combine with linseed oil also explains the ready wetting of this pigment and consequent mixing and grinding ease.

Dutch Boy Basic Carbonate White Leads
Reg. U.S. Pat. Off.

NATIONAL LEAD COMPANY — New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6, (National Lead Co. of Mass.); Philadelphia 7, (John T. Lewis & Bros. Co.).

Lead, White—Mercaptobenzo Thiazole

Lead, white, basic carbonate, bgs., c.l., ship't point, frt. alld..lb. .16¼- —
l.c.l., same basis..lb. .17¼- —
basic silicate, bgs., c.l., ship't point, frt. alld..lb. .15½- .18¼
l.c.l., same basis..lb. .16 - .19¼
basic sulphate, bgs., c.l., ship't, point, frt. alld..lb. .14¾- —
l.c.l., same basis..lb. .15¾- —

Lecithin, edible, tech., bleached, dms., non-ret., c.l., works..lb. .16 • —
l.c.l., same basis..lb. .18½- —
unbleached, c.l., same basis..lb. .15 • —
l.c.l., same basis..lb. .17½- —

Lemon peel, bls..lb. .22 - .25

Leucine, dextro-laevo, dms., works..lb. 28.00 -35.00

Licorice extract, mass, cns..lb. .45 • —
powd., bbls..lb. .55 • —
Root, bls..lb. .08 • .09
5-lb. bundles, cs..lb. .40 • .45
powd., bbls..lb. .11 • .12

Lignin extract, tanning grade, bgs., c.l., works..lb. .04¾- —

Lime, agricultural, bgs., works..ton. 13.00 -13.50

Chemical (quicklime), lump, pebble, bulk, Adams, Mass..ton. 9.00 • —
Annville, Pa..ton. 10.00 • —
Bellefonte, Pa..ton. 10.00 • —
Buffalo, N. Y..ton. 10.00 • —
Carey, Ohio..ton. 7.00 • —
Cedar Hallow, Pa..ton. 9.50 • —
Farnams, Mass..ton. 9.00 • —
Gibsonburg, Ohio..ton. 8.50 • —
Hannibal, Mo..ton. 6.50 • —
Keystone, Ala..ton. 9.75 • —
Knoxville, Tenn..ton. 9.75 • —
Limedale, Ark..ton. 9.00 • —

Lime, chemical, bulk, Longview, Ala..ton. 9.75 • —
Martinsburg, W. Va..ton. 10.00 • —
Menominee, Mich..ton. 8.00 • —
Mitchell, Ind..ton. 7.50 • —
Rockland, Maine..ton. 9.00 • —
Scioto, Ohio..ton. 6.50 • —
Sherwood, Tenn..ton. 10.00 • —
Sherwood, Wis..ton. 8.50 • —
Woodville, Ohio..ton. 9.50 • —
York, Pa..ton. 10.00 • —

Hydrated, paper bgs., Adams, Mass..ton. 11.50 • —
Annville, Pa..ton. 13.50 • —
Bellefonte, Pa..ton. 13.50 • —
Buffalo, N. Y..ton. 13.50 • —
Carey, Ohio..ton. 9.00 • —
Cedar Hollow, Pa..ton. 11.50 • —
Engle, W. Va..ton. 13.00 • —
Farnams, Mass..ton. 11.50 • —
Gibsonburg, Ohio..ton. 9.50 • —
Hannibal, Mo..ton. 9.50 • —
Keystone, Ala..ton. 13.00 • —
Knoxville, Tenn..ton. 12.25 • —
Limedale, Ark..ton. 10.50 • —
Longview, Ala..ton. 13.00 • —
Manistique, Mich..ton. 9.50 • —
Marblehead, Ohio..ton. 10.50 • —
Mitchell, Ind..ton. 10.00 • —
Petoskey, Mich..ton. 10.00 • —
Port Island, Mich..ton. 9.00 • —
Rapid City, S. Dak..ton. 12.00 • —
Rockland, Maine..ton. 9.00 • —
Scioto, Ohio..ton. 8.00 • —
Sherwood, Tenn..ton. 13.00 • —
Sherwood, Wis..ton. 10.00 • —
Springfield, Mo..ton. 9.00 • —
Woodyville, Ohio..ton. 8.50 • —
York, Pa..ton. 13.50 • —

Lime, spray, paper bags, Adams, Mass..ton. 11.70 • —
Annville, Pa..ton. 13.50 • —
Bellefonte, Pa..ton. 13.50 • —
Carey, Ohio..ton. 11.00 • —
Engle, W. Va..ton. 13.00 • —
Farnams, Mass..ton. 9.50 • —
Gibsonburg, Ohio..ton. 10.00 • —
Marblehead, Ohio..ton. 10.00 • —
Rockland, Me..ton. 10.00 • —
Scioto, Ohio..ton. 10.00 • —
Woodville, Ohio..ton. 10.00 • —
York, Pa..ton. 13.50 • —

Lime salts (see Calcium).

Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).

Limestone, grd., bgs., works..ton. 3.50 • 4.00

Linalool, ex bois de rose..lb. 4.50 • 6.85
ex lignaloe wood..lb. 6.50 • 7.00

Linalyl acetate, ex bois de rose, bots..lb. 4.20 • 7.20
ex petitgrain, bots..lb. 4.25 • 6.00

Linden flowers with leaves, bls..lb. .25 • .27
without leaves, bls..lb. .24 • .26

Linseed meal, 34% bulk, Midwest mills..ton. 56.00 -57.00

Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld..lb. .15¾- —
l.c.l., same basis..lb. .16¾- —

Lithium benzoate, dms..lb. 1.65 • —

Bromide, NF, bbls., works, frt. equald..lb. 1.90 • —

Carbonate, NF, bbls., kgs..lb. 1.10 • 1.15

Chloride, dms..lb. 1.00 • —
Citrate, NF, bbls., dms., kgs..lb. 1.25 • —
Fluoride, bbls..lb. 1.95 • —
Hydroxide, dms..lb. 1.10 • —
Salicylate, dms..lb. 1.62 • 1.70

Lithopone, ordinary, bgs., c.l., ship't point..lb. .06¼- —
l.c.l., same basis..lb. .06½- .06¾
Titanated (high-strength), bgs., c.l..lb. .08¼- —
smaller lots..lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.

Liverwort leaves, bls..lb. .85 • .90

Lobelia herb, bls..lb. .55 • .60
leaves, NF..lb. .85 • 1.00

Lobeline sulphate, bots., works..oz. 25.50 -38.00

Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .38½- —
No. 2, bbls., l.c.l..lb. .36½- —
liquid, No. 1, bbls., l.c.l..lb. .18½- —
No. 2, bbls., l.c.l..lb. .17½- —
No. 3, bbls., l.c.l..lb. .17 • —
No. 4, bbls., l.c.l..lb. .16½- —
solid, No. 1, bxs., l.c.l..lb. .33 • —
No. 2, bxs., l.c.l..lb. .31 • —
No. 3, bxs., l.c.l..lb. .28½- —
No. 4, bxs., l.c.l..lb. .28 • —
No. 5, bxs., l.c.l..lb. .26½- —
No. 6, bxs., l.c.l..lb. .44½- .49¼

Lovage root, imp., bls..lb. 1.20 Nom.

Lupulin, tins..lb. 1.95 • 2.00

Lycopodium, cs..lb. 1.90 • 2.50

Lysine hydrochloride, dextro-laevo, kilo. 145.00 -149.00

M

Mace, Amboyna, bls..lb. .70 • .71
Banda, No. 1, bls..lb. .92 Nom.
Siauw, No. 1, bls..lb. .85 • .88
West Indian, bls..lb. .82 • .82½
broken, bls..lb. .68 • .69

Madder, Dutch, bgs..lb. .29 • .32

Magnesia, calcined, tech., ctns., works lb. .32 • —
synth., rubber grade, ctns., works..lb. .29 • —
USP, light ctns..lb. .34 • —
heavy, bbls..lb. .36 • —

Magnesium arsenate, bgs., cans, works..lb. .20 • .30
Bromide, jars..lb. .90 • 1.00
Carbonate, tech., bgs., c.l., frt. equald..lb. .09 • —
l.c.l., frt. alld..lb. .10 • —
bbls., c.l., frt. equald..lb. .10½- —
l.c.l., frt. alld..lb. .11¼- —
kgs., c.l., frt. equald..lb. .11½- —
l.c.l., frt. alld..lb. .12½- —
USP, bgs., c.l., frt. equald..lb. .10¾- —
l.c.l., frt. alld..lb. .11¾- —
bbls., c.l., frt. equald..lb. .11¼- —
l.c.l., frt. alld..lb. .12¼- —
kgs., c.l., frt. equald..lb. .12½- —
l.c.l., frt. alld..lb. .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Gloustershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., works..lb. .12¼- —
flake, bbls., c.l., works..ton. 40.00 • —
l.c.l., works..ton. 44.00 -46.00
Gluconate, dms., cns..lb. 2.80 • 2.94
Glycerophosphate, dms., works..lb. 4.85 • —
Hydroxide, NF, medicinal, bbls., dms., kgs..lb. .29 • .30
Hypophosphite, dms..lb. 1.60 • —
Laurate, bbls..lb. .46 • .47
Metal, 99.8% ingots, cs., works..lb. .20½- —
sticks, cs., works..lb. .34 • .38
Oleate, precip., bbls..lb. .40½- —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb 1.00 • 1.05
Phosphate, tribasic, NF, bbls..lb. .75 • —
Silicate (see Talc).
Silicofluoride, bbls., works..lb. .09 • .10
Stearate, ctns., c.l..lb. .35 • —
smaller lots..lb. .36 • .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots..lb. .43 • —
100-lb. lots..lb. .50 • —

Magnesite, chemical grade, bgs., c.l., mines, Calif..ton. 67.50 • —
dead-burnt, bulk, c.l., Chewalah, Wash..ton. 30.50 • —

Maleic anhydride, dms., c.l., frt. alld..lb. .30 • —
l.c.l..lb. .31 • —
Prices on maleic anhydride West of Rockies 1½c. higher.

Malva flowers, black, bls..lb. 1.45 • 1.75
Blue, bls..lb. .95 • 1.10
Leaves, bls..lb. .40 • .42

Manaca root, bls..lb. .49 • .50

Mandrake root, bls..lb. .38 • .42

Manganese acetate, bbls..lb. .32 • —
Arsenate, bxs..lb. .12 • .12¼
Borate, tech., bbls..lb. .23 • —
Carbonate, bbls..lb. .19 • —
Chloride, anhyd., dms., works lb. .24 • —
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton. 74.00 • —
smaller lots, works..ton. 77.00 -82.00
burlap bgs., c.l., works..ton. 71.75 • —
l.c.l., works..ton. 74.75 -79.79
paper bgs., c.l., works..ton. 70.00 • —
l.c.l., works..ton. 73.00 • —
85-90%, bbls., c.l., works..ton. 74.00 • —
smaller lots, works..ton. 77.00 -82.00
Gluconate, dms., cns..lb. 3.00 • 3.25
Glycerophosphate, NF, fib. dms lb. 4.15 • 4.25
Hydrate, bbls., dlvd..lb. .26 • —
Hypophosphite, NF, dms..lb. 2.00 • —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs, dlvd. East..lb. .30 • .32
Naphthenate, liquid, 6% Mn, dms., frt. alld..lb. .22¾ • .23¼
Oleate, fused, bbls..lb. .44¾- —
Resinate, fused, 3½% Mn, dms. lb. .20 • —
precip., dms..lb. .21½- —
Stearate, ctns., c.l..lb. .35 • —
smaller lots..lb. .36 • .37
Sulphate, fertilizer grade 65%; bgs., c.l., dlvd. S. E..ton. 60.00 • —
l.c.l., dlvd. S. E..ton. 67.00 • —
feed grade, 80%, bgs., dlvd. S. E..lb. .05¼- .07
75%, bgs, c.l., dlvd. S. E..ton. 68.50 • —
l.c.l., dlvd. S. E..ton. 75.50 • —
Tallate, liquid, 4% Mn, dms..lb. No prices.
solid, 8% Mn, dms..lb. No prices.

Mangrove bark, E. Africa, 38% tannin, c.l., ex dock..ton. 72.00 Nom.

Manna, flake, large, cs..lb. 1.25 • 1.35
small, cs..lb. .85 • 1.00

Mannitol, com'l, dms., works..lb. .40 • .43
reagent, 50-lb. dms., works..lb. .85 • —

Marjoram, Argentine, bls..lb. .14 Nom.
Chilean, bls..lb. .16 • .16½
French, bls..lb. .34 • .34½

Matico leaves, bls..lb. .25 • .28

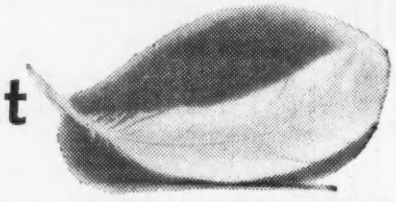
Menadione, USP, bots., works gram. .06½ —

Menthol, natural, USP, Brazilian..lb. 10.50 -10.60
synthetic, USP, racemic, cns..lb. 7.25 Nom.

Menthyl salicylate, tins..lb. 4.25 4.35

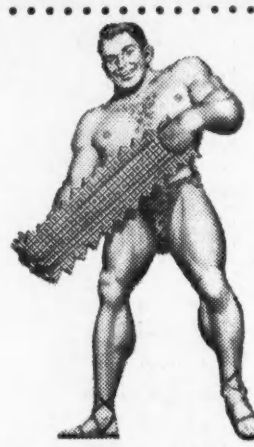
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots..lb. .27 • —
less ton lots, same basis..lb. .29 • —

Light in Weight



YET THE

Strongest Shipping Bags Made



BEMIS

Waterproof Laminated Textile BAGS

.BEMIS BRO. BAG CO.
Waterproof Department, 408-A Pine Street
St. Louis 2, Missouri•

MAIL THIS COUPON TODAY

Bemis Bro. Bag Co., Waterproof Department
408-A Pine Street, St Louis 2, Missouri
Please send complete information on advantages of Bemis Waterproof Bags for shipping _____ (PRODUCT)
Name _____ Title _____
Firm Name _____
Street _____
City _____ Zone _____ State _____

"America's No. 1 Bag Maker"

Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd. lb. 3.27 - 3.32
Iodide, red, NF, dms. lb. 4.32 - —
Yellow, NF, fib. dms. lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd. lb. .13 —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Metaldehyde, dms., works lb. .78 - —
Metachloranilin, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .55 - .80
l.c.l. lb. .56 - —
80-82%, dms., works lb. .35 - —
70-75%, dms., works lb. .30 - —
Metaparaisopropylphenol, dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb. .20 - —
Metanitroparatoluidin, bbls. lb. 1.28 - 1.33
Metaphenylenediamine, kgs. lb. .76 - —
Metatoluidine, bbls., works lb. .80 - —
Metatolylenediamine, kgs. lb. .85 - —
Methanol, natural, dms., c.l., frt. alld. gal. .58 - —
l.c.l., frt. alld. gal. .61 - —
tanks, frt. alld. gal. .50 - —
Prices on natural methanol W. of Miss. 3c. higher.

synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .39 - —
l.c.l., frt. alld. gal. .41 - —
tanks, frt. alld. gal. .26 - —
zone 2, dms., c.l., frt. alld. gal. .45 - —
l.c.l., ex whse. gal. .47½- —
tanks, frt. alld. gal. .31 - —

Synthetic methanol zones are: Zones 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld. gal. .38 - —
tanks, frt. alld. gal. .26 - —
West of Rockies, dms., c.l., frt. alld. gal. .45 - —
tanks, frt. alld. gal. .31 - —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more lb. 7.25 - —
1 to 49-lb. lots, works lb. 8.75 - —
Methoxychlor, dealers, dms., cs., works lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼- —
l.c.l., same basis lb. .17¾- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. lb .08 - —
l.c.l., same basis lb. .08½- —
Acetoacetate, dms., c.l., works lb. .49½- —
l.c.l., same basis lb. .50 - —
tanks, works lb. .48 - —

Methyl acetoacetate prices frt. alld. W., ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. gal. .60 - —
l.c.l., same basis gal. .71 - —

Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.

Group B, dms., incl., E. Miss., frt. alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W gal. .57 - —
l.c.l., works, frt. alld. E gal. .56½- —
frt. alld. W gal. .60½- —
tanks, works, frt. alld. E gal. .43½- —
frt. alld. W gal. .47 - —

Methyl acetone, synth., East. territory, is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 500 lbs. or more lb. 2.10 - —
smaller lots lb. 2.20 - 3.00
Benzoate, cns. lb. .55 - 1.20
Bromide, dealers, cns lb. .69 - .71
cyls. lb. .60 - .78
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit works lb. .10½- —
refrigerator mfrs., cyls., dlvd. lb. .37 - —
other consumers or service men, cyls., dlvd. lb. .42 - —
Cinnamate, cns. lb. 1.48 - 1.65
Heptin carbonate, bots. lb. 36.00 - 58.00
Iodide, bots., cbys. lb. 3.00 - 4.85
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns, works lb. .48 - .58
P-1, cns., works lb. .60 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Roseaniliu chloride, USP, bots. lb. 5.15 - 5.30
Salicylate, USP, dms., 500 lbs. lb. .40 - —
25-50 lbs. lb. .45 - —
Testerone, USP, 100 gms. gm. 3.75 - —
Methylal, refined, 95%, dms., c.l. lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04½- —
Methylamyl acetate, dms., c.l., dlvd. lb. .14½- —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd lb. .13 - —
Ketone, dms., works lb. .70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.87 - —
smaller lots, kgs., same basis lb. 3.02 3.22
Chloride, indust., dms., c.l., dlvd. E lb. .12½- —
l.c.l., dlvd E lb. .13½- —
tanks, dlvd E lb. .11½- —
Methylethyl ketone, dms., dlvd lb. .11½- —
l.c.l., dlvd lb. .12 - —
tanks, dlvd lb. .10 - —
Methylhexyl ketone, tech., dms., works lb. .80 - —
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd. lb .14½- —
tanks, dlvd lb. .12½- —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. lb. .16½- —
l.c.l., works, dlvd lb. .17 - —
tanks, works, dlvd lb. .15 - —
Methylthionme chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E lb. .06¼- —
paint or lacq., bgs. c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
rubber, bgs., c.l., works, frt. alld. E lb. .06¾- —
l.c.l., ex whse. or frt. alld. E lb. .07½- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
Mica, wet-grd., white, extra fine, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
Mica, wet-grd., W of Miss. R., ½c. higher. W of Rockies, 1c. higher.
Milk powder, skimmed roller, bbls., c.l lb. .10½- .12¾
spray, bbls., c.l. lb. .12½- .13¾
Whole, roller, bbls., c.l lb. .26 - .33
spray, bbls., c.l lb. .28½- .35¼
Sugar, crude, bgs., c.l., works lb. .17 —
edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾- —
200-1,800-lb. lots lb. .25¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 —
2,000-lb lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Molasses, blackstrap, tanks gal. .03 .03½
New Orleans gal. .06½- —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs lb. 2.60 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. alld lb. .07 .08
l.c.l., works, frt. equald lb. .08 - .10
tanks, works, frt. equald lb. .06 .06½
Monoethanolamine, dms., cs., frt. alld. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25½- —
Monoethylamine, dms., c.l., works, basis 100% lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monomethylanilin, dms., works lb. .70 - —
Monononylnaphthalene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz. 12.35 - 12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, NF, cns. oz. 9.90 - —
Sulphate, USP, cns oz. 9.90 - —
Morpholine, dms., c.l., works lb. .59½- —
l.c.l., works lb. .60 - —
smaller containers, works lb. .75 - —
tanks, works lb. .58 - —
Mountain ash berries, bgs. lb. .55 - .57
Mullein flowers, cs. lb. 1.25 - 1.30
Leaves, bls. lb. .12 - .16

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Monsanto offers formulators a broad range of chemicals for insecticides, herbicides and pesticides. These products are all manufactured to the highest standards of purity and potency — for use in dusts, sprays and aerosols.

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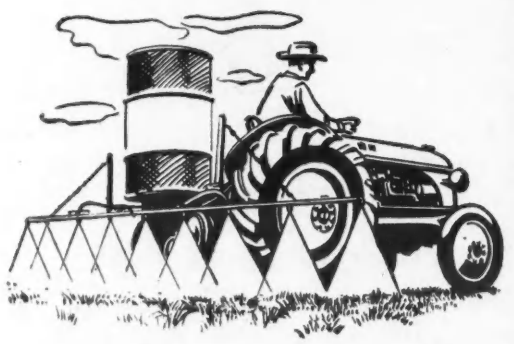
TRICHLOROBENZENE, Technical
NIFOS*-T (Tetraethyl Pyrophosphate, Tech. For agricultural use only)
NIRAN* (Parathion. For agricultural use only)



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ISOPROPYL N-PHENYL CARBAMATE

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Musk—Oil, Hemlock

Musk, nat., Tonquin, grains, bots.	oz.	25.00	-30.00
synthetic—Ambrette, 100 lbs.	lb.	5.40	- —
25 lbs.	lb.	5.50	- —
5 lbs.	lb.	5.65	- —
Ketone, 100 lbs.	lb.	4.95	- —
25 lbs.	lb.	5.05	- —
5 lbs.	lb.	5.20	- —
Xylol, 100 lbs.	lb.	1.60	- —
25 lbs.	lb.	1.70	- —
5 lbs.	lb.	1.85	- —
Musk root, bls.	lb.	No prices.	
Mustard seed, Calif., brown	lb.	.22	Nom.
Danish, bgs.	lb.	.15	- .15½
Dutch, yellow, bgs.	lb.	.15	- .15½
English, yellow, bgs.	lb.	.12¾	- .13
Montana, brown, bgs., source	lb.	.05¾	- .06
Oriental, bgs., source	lb.	.05¾	- .06
yellow, bgs., source	lb.	.10½	- .11
Washington, yellow, source, bgs	lb.	.11	- .11¼
Myrobalans, J1, assorted, ex dock.	ton.	61.00	-62.00
J2, ex dock	ton.	53.00	-54.00

N

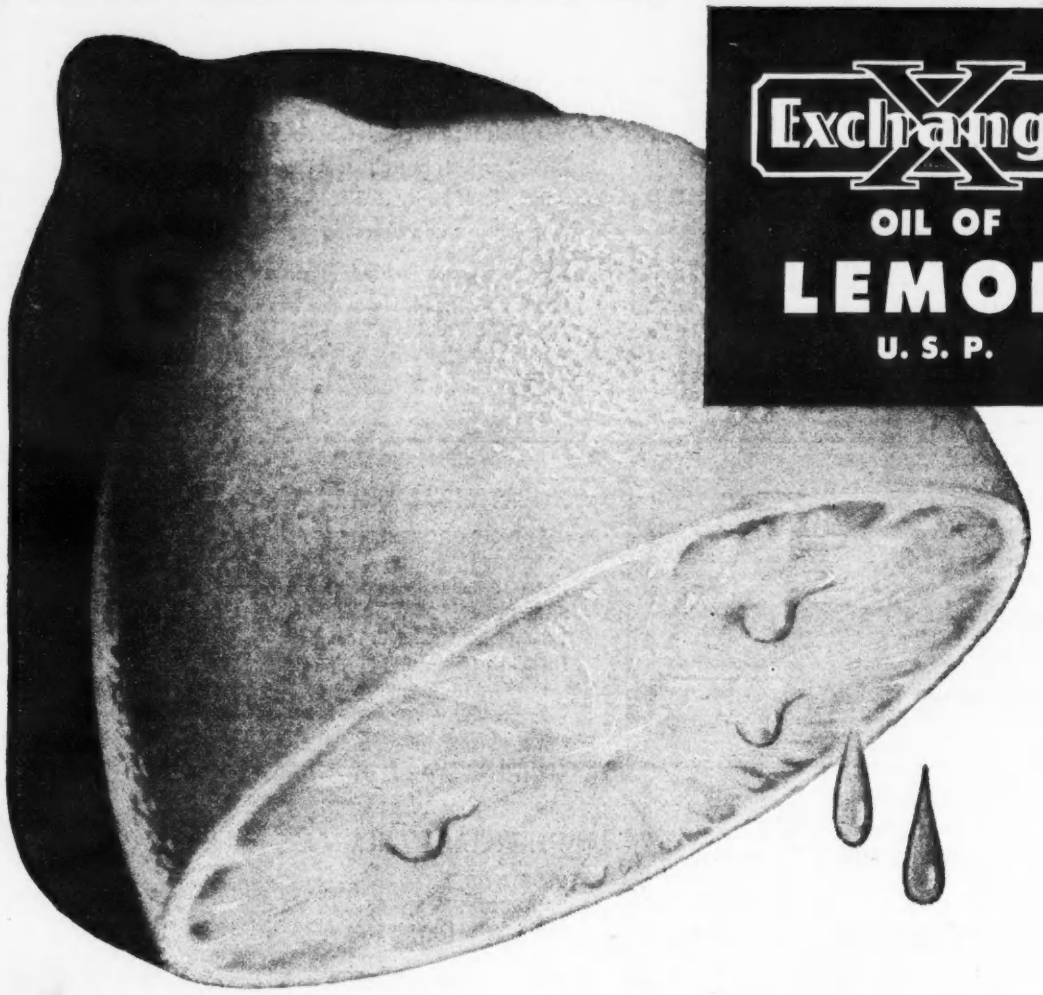
Naphtha, painters (see Petroleum naphtha, V. M. & P. Solvent (see S).			
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald.	lb.	.06	- —
tanks, same basis	lb.	.0525-	—
78°, bgs., c.l., works, frt. equald.	lb.	.0635-	—
l.c.l., same basis	lb.	.0660-	—
bbls., c.l., same basis	lb.	.0635-	—
l.c.l., same basis	lb.	.0660-	—
Naphthalene, dom., crude, 78°, dms., c.l., same basis	lb.	.0750-	—
l.c.l., same basis	lb.	.08	- —
tanks, same basis	lb.	.0575-	—
refined, industrial, bbls., c.l., frt. equald.	lb.	.10	- —
bgs., c.l., same basis	lb.	.10½	- —
tanks, same basis	lb.	.09	- —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis.	lb.	.14	- —
bbls., c.l., same basis.	lb.	.13¾	- —
½-lb. pkgs., c.l., same basis	lb.	.15¼	- —
Neocinchophen, USP, dms., works	lb.	7.00	- 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y	ton.	14.25	- —
pottery, 200 mesh, bulk, Rochester, N. Y.	ton.	18.25	- —
Nepheline syenite in bgs., $3 per ton higher than bulk.			
Nerolin, cns.	lb.	2.00	- 2.25
Niacin (see Acid, nicotinic).			
Niacinamide (see Nicotinamide).			
Nickel acetate, bbls., dlvd.	lb.	.50	- —
Carbonate, bbls., dlvd.	lb.	.48	- .50
Chloride, bbls., dlvd.	lb.	.23	- —
Cyanide, bots., dms.	lb.	1.75	- 2.00
Formate, bbls., ton lots, dlvd.	lb.	.43½	- —
Metal, electro cathodes, cs.	lb.	.40	- —
Nitrate, bbls., works	lb.	.24½	- .25½
Oxide, black, bbls.	lb.	.42	- —
Sulphate, bgs., c.l., dlvd.	lb.	.18	- —
l.c.l., dlvd.	lb.	.18½	- —
Nicotinamide, USP, dms., works	kilo.	11.00	-11.30
Hydrochloride, dms., works	kilo.	10.50	-10.80
Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. alld. over 50 lbs.	dm.	53.65	- —
tins, 10 lbs., dealers, frt. alld. on cases of 6.	tin.	11.80	- —
Nikethamide, bots., cbys.	lb.	5.50	- 6.60
Nitercake, bulk, works	ton.	No stocks.	
Nitrobenzene, cbl. dist., dms., c.l.	lb.	.09	- .09½
l.c.l.	lb.	.10	- .11
tanks	lb.	.08	- .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight.	lb.	.28	- —
l.c.l., same basis	lb.	.29	- .31
18-25 cps., bbls., c.l., same basis.	lb.	.30	- —
l.c.l., same basis	lb.	.31	- .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis	lb.	.32	- —
l.c.l., same basis.	lb.	.33	- .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis.	lb.	.33	- —
l.c.l., same basis.	lb.	.34	- .36

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works	lb.	.30	- —
Nitrogen solution, tanks, works, N.	ton.	120.00	-137.16
Nitrogenous process tankage, bulk, works, ammo.	unit-ton.	3.50	- 4.00
Sewage sludge, bulk, works, unit	ton.	3.25	+ .40
Nitromethane, dms., l.c.l., works.	lb.	.30	- —
Nitropropane, 1, dms., works.	lb.	.30	- —
2, dms., works.	lb.	.30	- —
Nutgalls, Aleppo, bgs.	lb.	.43	- —
Chinese, bgs.	lb.	.38	- —
Istrian, bgs.	lb.	.31	- —
Nutmeg, East Indian, bgs.	lb.	.41	- .42
futures, bgs.	lb.	.42	- .42½
West Indian, bgs.	lb.	.33	- .34
futures	lb.	.32	- .33
Nux vomica, bls.	lb.	.10	- .12
powdered, bbls., bxs.	lb.	.13	- .14

O

Oakbark extract, 25% tannin, bbls., c.l., works	lb.	No stocks	
Octane, 100°-140° C, industrial grade, group 3, dms., c.l.	gal.	.19	- —
l.c.l.	gal.	.21	- .60
tanks	gal.	.15½	- —
10° C, Bayonne, N. J., tanks.	gal.	.16	- —
Octanol, normal, tech., dms., c.l., dlvd.	lb.	.34½	- —
l.c.l., dlvd.	lb.	.36½	- —
tanks, dlvd.	lb.	.32	- —
Oil, abies sibirica, cns.	lb.	2.35	3.10
Almond, artificial, bitter, (see Benzaldehyde)			
natural, bitter, F.P.A., bots.	lb.	3.85	- 5.00
NF, bots.	lb.	3.85	- 4.75
Sweet, dms., cns.	lb.	.75	- .95
Angelica root, bots.	lb.	120.00	-190.00
Seed, bots.	lb.	80.00	-100.00
Anilin (see A).			
Anise, USP, Chinese, dms.	lb.	.72	- 1.05
Apricot kernel, USP, dms.	lb.	.42	- .56
Avocado, cns., dms.	lb.	1.00	1.10
Babassu, crude, tankcars	lb.	.19½	- —
Bay, NF, Puerto Rican, 50-55%, cns.	lb.	1.20	- 1.50
55-80%, cns.	lb.	1.20	- 1.60
West Indian, 50-55%, cns.	lb.	1.20	- 1.60
Bergamot, artif., cns.	lb.	2.00	- 4.25
natural, Italian, cns.	lb.	4.00	- 4.50
Birchtar, crude, cns.	lb.	.95	- 1.76
rectified, NF, cns.	lb.	4.15	- 4.25
Bois de rose, Brazil	lb.	2.65	- 2.75
Mexican (see Oil, lignaloe wood).			
Bone, dms., works.	gal.	.65	- 70
Cajeput, tech., dms.	lb.	1.65	- 2.00
redistilled, USP, cns.	lb.	2.20	- 4.50
Calamus, cns.	lb.	20.00	-28.00
Camphor, natural, white, cns.	lb.	.40	- .50
dms.	lb.	.27	- .40
Cananga, native, cns.	lb.	1.95	- 2.35
rectified, cns.	lb.	2.60	- 2.85
Capsicum (see Capsicum oleoresin).			
Caraway, NF, cns.	lb.	4.75	- 6.50
Cardamom, NF, bots.	lb.	46.50	-55.00
Cassia, USP, cns.	lb.	1.80	- 2.40
Castor, blown, dms., c.l.	lb.	.20¼	- —
dms., l.c.l.	lb.	.20¾	- —
standard, USP, dms., c.l.	lb.	.18¾	- —
l.c.l.	lb.	.18¾	- —
tanks	lb.	.17¼	- —
refined and deodorized, dms., c.l.	lb.	.19¾	- —
dms., l.c.l.	lb.	.20¼	- —
tankcars	lb.	.18¾	- —
dehydrated, bodied, dms., c.l.	lb.	.22	- —
l.c.l.	lb.	.22½	- —
tanks	lb.	.21	- —
unbodied, dms., c.l.	lb.	.21	- —
l.c.l.	lb.	.21½	- —
tanks	lb.	.20	- —
hydrogenated, dms., c.l., works.	lb.	.30	- —
l.c.l., same basis	lb.	.31	- —
No. 3, tech., dms., c.l.	lb.	.17	- —
l.c.l.	lb.	.17½	- —
tanks	lb.	.16	- —
sulphonated, 50% (48% fat), dms.	lb.	.12	- .13
75% (60-62% fat), dms.	lb.	.15¾	- .16¼
Cedarleaf, USP, cns., dms.	lb.	1.95	- 2.85
tech., dms.	lb.	1.70	- 1.80
Cedarwood, cns.	lb.	.45	- .55
dms.	lb.	.34	- .50
Celeryseed, bots.	lb.	15.00	-16.50
Chaulmoogra, NF, cns., ems.	lb.	.55	- 70
Chinawood (see Oil, tung).			
Cinnamon bark, bots.	lb.	27.00	-60.00
Leaf, Ceylon	lb.	1.50	- 1.75
Seychelle	lb.	1.20	- —
Citronella, Ceylon, cns.	lb.	.79	- 1.05
Java type, cns.	lb.	1.25	- 1.65
Clove, USP, from Madagascar buds, cns., dms.	lb.	1.25	- 1.55
from Zanzibar, buds, cns., dms.	lb.	1.60	- 1.95
Coconut, crude, tanks, Atlantic ports.	lb.	.16½	- —
Pac. Coast.	lb.	.15	- —
refined, Cochin type, tax incl., dms., l.c.l.	lb.	.21½	- —
deodorized, tax incl., dms., l.c.l.	lb.	.24	- —
Cod, Newfoundland, dms.	lb.	.12	Nom.
Codliver, USP, dms.	gal.	2.40	- 2.45
Coriander, bots.	lb.	29.50	-37.50
Corn, crude, tanks, works.	lb.	.11	- .11¼
foots, acid, 95%, tanks, dlvd. E	lb.	.03¾	Nom.
raw, 50%, tanks, dlvd. E	lb.	.01¾	Nom.
refined, tanks, mills.	lb.	.13¼	- .13½
dms., New York.	lb.	.15¼	- .15¾
Costus, bots.	oz.	30.00	- —
Cottonseed, crude, tanks, Southeast and Valley.	lb.	.10	- .10¼
foots, acid 95%, tanks, dlvd. E	lb.	.03¾	- Nom.
raw, 50%, tanks, dlvd. E	lb.	.01¾	Nom.
refined, dms.	lb.	.15¼	- .15¾
tankcars	lb.	.13¾	- —
Creosote (see Creosote, coaltar).			
Croton, NF, cns.	lb.	4.75	- 5.50
Crude (see Petroleum, crude).			
Cubeb, cns.	lb.	7.00	- 7.50
Cumin, bots.	lb.	6.25	-11.50
Cypress, bots.	lb.	11.00	-15.00
Degras (see D).			
Dillseed, bots.	lb.	9.00	- 9.50
Dillweed, bots., dms.	lb.	7.35	- 8.60
Dip (see D).			
Erigeron, cns.	lb.	5.00	- 5.25
Eucalyptus, rectified, USP, 80-90%, cns.	lb.	.70	- 1.45
70-80%, cns.	lb.	.58	- 1.30
Fennel, sweet, cns.	lb.	2.75	- 3.00
Fir, Canada, cns.	lb.	1.85	- 1.95
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms. 1,000,000 units.		.19	- .20
20,000 to 80,000 A units, dms. 1,000,000 units.		.22	- .28
pharmaceutical, 50,000 to 125,000 A units, dms., 1,000,000 units.		.30	- .31
pharmaceutical or food, 200,000 A units, dms. 1,000,000 units.		.40	- .42
concentrate, 100,000 A units, dms. 1,000,000 units.		.35	- —
200,000 A units, dms. 1,000,000 units.		.40	- —
300,000 A units, dms. 1,000,000 units.		.43	- —
400,000 A units, dms. 1,000,000 units.		.44	- —
560,000 A units, dms. 1,000,000 units.		.47	- —
Fuel (see Petroleum fuel oil).			
Fusel (see F).			
Garlic, pure, bots.	oz.	9.25	- 9.50
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns.	lb.	10.50	-12.00
Bourbon, cns.	lb.	11.00	-13.00
Turkish (see Oil, palmarosa).			
Ginger, dist., bots.	lb.	13.25	-17.00
Grapefruit	lb.	.80	- 1.25
Grease, No. 1, dms.	lb.	.09¾	- .10¼
extra, winter, strained, dms.	lb.	.10¾	- .11½
prime, burning, dms.	lb.	.12¼	- .12¾
Guaiacwood, cns.	lb.	1.85	- 2.15
Hemlock, cns.	lb.	1.85	- 2.75



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When it's *lemon* you want, Exchange is the Oil!

More than 80% of all the lemon oil used in the United States is Exchange Lemon Oil. This overwhelming endorsement by the trade is your assurance that Exchange Lemon Oil delivers *flavor . . . clarity* and *uniformity* not found in any other Lemon Oil.

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PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:

EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

MICHIGAN CHEMICAL CORPORATION

announces a reorganization of its sales activities and the following new assignments:

Philip J. LoBue, of the Philip J. LoBue Company, 101 Park Avenue, New York City, will combine his staff with that of Michigan Chemical Corporation at 230 Park Avenue. Mr. LoBue will be responsible for the domestic sale in the East of Michigan Chemical's organic and inorganic bromides, pharmaceutical and industrial chemicals, as well as its famous "Pestmaster" line of DDT insecticides.

L. W. Gopp will be in charge of direct export sales and will cooperate with Mr. LoBue on export sales through domestic exporters.

H. T. Hillard will act as office manager and will expedite and coordinate Eastern domestic and export activities with the plant.

MICHIGAN CHEMICAL PRODUCTS

BROMINE AND ITS DERIVATIVES

PHARMACEUTICAL BROMIDES (Organic and Inorganic)
(Including several new Anti-Histaminics)

INDUSTRIAL BROMIDES
(Including Methyl Bromide, used extensively in industrial and soil fumigation, fire extinguishers, etc.)

AGRICULTURAL CHEMICALS
DDT, Technical grade — Government Specifications
"Pestmaster" Brand, Insecticides, Fungicides
"Weedmaster" Weed-Killers

COMMERCIAL, U.S.P. and CP SALT (NaCl)

MAGNESITE, MAGNESIUM OXIDE, MAGNESIUM CARBONATE

• *Until arrangements are completed for our new quarters, Mr. LoBue will operate out of Michigan Chemical's present offices.*

MICHIGAN CHEMICAL CORPORATION

230 PARK AVENUE, NEW YORK 17, N. Y.

Home Office and Plant: Saint Louis, Michigan

Oil, Herring—Oil, Ylang Ylang

Oil, herring, crude, tanks, Pac. coast	lb.	No prices.	
Juniper berry, NF VIII, bots	lb.	3.00	- 7.00
twice rectified	lb.	4.75	- 5.00
Tar, USP (see Juniper tar).			
Wood, tech., cns	lb.	.65	- 1.00
Lard (see Oil, grease).			
Laurel, bots	lb.	9.75	-12.50
Lavandin, cns	lb.	1.10	- 1.65
Lavender flower, French, 38-42% ester, cns	lb.	3.20	- 4.35
30-32% ester, cns	lb.	2.45	- 3.10
Spike, Spanish, cns	lb.	.90	- 1.05
Lemon, USP, Calif. cns	lb.	2.80	- 3.00
Messina	lb.	2.60	- 5.00
terpeneless, bots	lb.	32.00	-65.00
Lemongrass, cns., dms	lb.	1.60	- 2.05
Lignaloe seed, Mexican, cns	lb.	4.50	- 4.80
Wood, Brazilian (see Oil, bois de rose).			
Mexican, cns	lb.	2.75	- 5.20
Lime, distilled, Mexican, cns	lb.	7.00	- 7.50
West Indian, cns	lb.	7.25	- 7.50
expressed, West Indian, cns	lb.	6.75	- 9.75
terpeneless, bot	lb.	62.00	-65.00
Linseed, raw, dms., c.l.	lb.	.2570-	—
l.c.l.	lb.	.2630-	.2690
tankcars	lb.	.2410-	—
tankwagon	lb.	.2480-	—
Boiled linseed oil .007 higher than raw.			
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks.	gal.	.235	- —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks	gal.	.21	- .23
200 vis., No. 3, col., 15-25 pour, tanks	gal.	.18	- .19
145-155 vis., No. 3, color, 10-25 pour, tanks	gal.	.235	- —
Oil, lubricating, at refy., ex tax Penna., W, cylinder, 600-680 flash, tanks	gal.	.33	- .38
600-650 steam refd., tanks.	gal.	.37	- —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks.	gal.	.37	- .39
200 vis., 25 pour, tanks.	gal.	.39	.41
South Texas, neutral, pale, 200 vis., 2¼-4 pour, tanks.	gal.	.11	- .12
red, 200 vis., 4-6½ pour, tanks	gal.	.11	- .12¼
Mace, dist., cns., dms	lb.	3.75	- 5.35
Mandarin, Brazilian, cns	lb.	4.25	- 8.40
Italian, cns	lb.	8.75	- 9.25
Menhaden, crude, tanks, Balto.	lb.	.05½ Nom.	
refined, alkali, dms	lb.	.1180-	—
kettle-bodied, dms	lb.	.1330-	—
light-pressed, dms	lb.	.1080-	—
tanks	lb.	.0920-	—
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene).			
Mustard, synthetic, USP, cns	lb.	1.40	- 1.70
Seed, expressed, dms	lb.	.18	- .18¼
Neatsfoot, 15°, dms	lb.	.27	- —
20°, dms	lb.	.25	- —
30°, dms	lb.	.23	- —
Neroli, French, bots	lb.	75.00	-390.00
Haitian, bots	lb.	175.00	-200.00
Niaouli, cns	lb.	2.75	- 3.25
Nutmeg, dist., East Indian, cns., dms	lb.	3.95	- 5.35
West Indian, cns., dms	lb.	3.75	- 4.65
Ocotea cymbarum, dms	lb.	.46	- .60
Oiticica, liquid, dms	lb.	.17½-	.18½
Oleo, oil, extra, tres	lb.	.12	- .12½
Oil, olibanum, bots	lb.	4.50	- 6.25
extra fine, bots	lb.	6.25	-10.50
Olive, denat., dms	gal.	3.05	- —
edible, Calif., dms	gal.	3.40	- —
Spanish, dms., duty-paid	gal.	3.50	- 3.60
Moroccan, dms., same basis.	gal.	3.45	- 3.50
foots, dms	lb.	.19¾-	.21
sulphonated, 50% (40% fat), dms., c.l.	lb.	No stocks.	
l.c.l.	lb.	No stocks.	
75% (62½ fat), dms., c.l.	lb.	No stocks.	
l.c.l.	lb.	No stocks.	
Orange, sweet, natural, dist., cns.,	lb.	.50	- .60
expressed, USP, Brazilian, cns.	lb.	.80	- 1.25
Calif., cns	lb.	.68	- 1.00
Florida, cns., dms	lb.	.55	- 1.00
Messina, coppers	lb.	3.25	- 5.00
West Indian, cns	lb.	2.25	- 3.75
sesquiterpeneless, bots	lb.	55.00	-135.00
Origanum, Spanish, cs	lb.	2.40	- 3.50
Palm, Congo, dms	lb.	.14½-	—
Palmarosa, cns	lb.	6.50	- 9.00
Palmkernel, crude, bulk, c.i.f. NY	lb.	No prices.	
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery	gal.	.11½-	—
Patchouli, dms	lb.	6.10	- 7.50
Peach kernel, USP (see Oil, apricot kernel).			
Peanut, crude, tanks, works	lb.	.14½-	—
foots, acid, 95%, tanks, dlvd. E	lb.	.03¾ Nom.	
raw, 50%, tanks, dlvd. E	lb.	.01¾ Nom.	
refined, tanks, dlvd. E	lb.	.18¼ Nom.	
drums	lb.	.19¾-	.20
Pennyroyal, USP, dom., cns., cns.	lb.	No stocks.	
imported, cns	lb.	2.20	- 2.75
Peppermint, natural, dms	lb.	5.50	- 6.35
redist., USP, dms	lb.	5.95	- 6.75
Oil, persic, USP (see Oil, apricot kernel).			
Perilla, crude, dms	lb.	No stocks.	
Petitgrain, Paraguay, cns	lb.	2.25	- 2.80
Pimento berry, dms	lb.	4.25	- 6.00
leaf, cns	lb.	1.50	- 1.80
Pine, dest.-dist., dms., incl., c.l., works, South	gal.	.60	- .69
l.c.l., works, South	gal.	.61	- .70
dms., incl., c.l., works, South	lb.	.07½-	—
l.c.l., works, South	lb.	.08	- —
ex whse., N. Y. C.	gal.	.70	- —
ex whse., N. Y. C.	lb.	.09½-	—
tanks, works, South	lb.	.062	- —
tanks, works, South	gal.	.60	- —
steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N. Y. C.	lb.	.09½-	—
Pineneedle, Siberian (See oil, abies siberica).			
Putty, petroleum, heavy, dms	gal.	.18	- —
tankwagon	gal.	.13½-	—
light, dms	gal.	.16½-	—
tankwagon	gal.	.12½-	—
Rapeseed, tankcars	lb.	.24	Nom.
Red, single dist., dms	lb.	.11½-	.12¼
tanks	lb.	.10¼-	—
saponified, dms	lb.	.10¾-	.11¾
double dist, dms	lb.	.14	- .15
tanks	lb.	.12¾-	—
Rose, natural, Bulgarian, coppers	oz.	25.00	-38.00
Rosemary, Spanish, tech., cns., dms	lb.	.75	- 1.50
USP, cns., dms	lb.	.85	- 1.60
Rosin, first rectified, dms	gal.	.66	- —
2d rectified, dms	gal.	.68	- —
3d rectified, dms	gal.	.78	- —
Rue, bots	lb.	3.25	- 5.00
Sage, clary, bots	lb.	14.30	-16.00
Dalmatian, cns	lb.	2.75	- 3.10
Spanish, cns	lb.	1.05	- 3.50
Sandalwood, NF, cns	lb.	13.75	-16.60
Sardine, crude, tanks, Pac. coast.	lb.	No stocks.	
refined, alkali, dms	lb.	.1180-	—
kettle-bodied, dms	lb.	.1330-	—
light-pressed, dms	lb.	.1080-	—
tanks	lb.	.0920-	—
Sassafras, artificial	lb.	.40	- .55
natural, Brazilian (see Oil, ocotea cymbarum).			
domestic, USP, cns., dms	lb.	1.80	- 2.30
Savin, cns	lb.	3.00	- 3.25
Savory, cns	lb.	8.00	- —
Seal, No. 1, tanks, U. S. ports	lb.	No prices.	
Sesame, ref., dms., l.c.l.	lb.	.41	- —
Shingle stain, bbls., c.l., works	gal.	.2185-	—
l.c.l., works	gal.	.23	- .29
tanks, works	gal.	.15	- .16
Snakeroot, Canada, cns	lb.	18.75	-19.25
Soybean, crude, tanks, mills	lb.	.09¼-	—
foots, acid, 95%, tanks, dlvd. E	lb.	.03¾ Nom.	
raw, 50%, tanks, dlvd. E	lb.	.01¾ Nom.	
refined, alkali, dms., c.l.	lb.	.1295-	—
l.c.l.	lb.	.1360-	.1380
tanks	lb.	.1175-	—
clarified, dms., c.l.	lb.	.1195-	—
l.c.l.	lb.	.1260-	.1280
tanks	lb.	.1075-	—
edible, tankcars, dlvd. East	lb.	.12¼-	—
drums	lb.	.13½-	.14
Spearmint, dms.	lb.	3.55	- 4.10
Sperm, bleached winter 45° tankcars	lb.	.1770-	—
drums	lb.	.1870-	.1920
natural winter 45°, tankcars	lb.	.16½-	—
drums	lb.	.17½-	.18
Spruce, cns., dms	lb.	1.85	- 2.75
Sunflower-seed, tnp., refined, tanks	lb.	No prices.	
semi-refined, tanks	lb.	No prices.	
Sweet birch, Northern, cns	lb.	5.00	- 8.00
Southern, cns	lb.	1.95	- 3.65
Tall, crude, tanks, works	ton.	40.00	- —
refined, dms., c.l., works	lb.	.06	- —
l.c.l., works	lb.	.06¼-	—
tanks, works	lb.	.05	- —
Tallow, acidless, dms	lb.	.09¾-	.10¼
Tansy, cns.	lb.	8.25	- 9.00
Tar, pine, coml.' dms., incl., c.l., works, South	gal.	.41	- .43½
l.c.l., works, South	gal.	.43	- .45½
whse., N.Y.C.	gal.	.52¼-	.54¼
tanks, works, South	gal.	.52	- .54½
rectified, NF, l.c.l., dms., incl., works, South	gal.	.60	- —
Tar acid (see T).			
Teaseed, dms	lb.	.25	- —
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns	lb.	2.05	- 3.35
white, cns	lb.	2.30	- 3.80
technical, white, cns	lb.	.35	- 1.00
Tung, dom., tanks, mills	lb.	.20½ Nom.	
imported, dms., c.l.	lb.	.22½-	—
l.c.l.	lb.	.23	- —
tanks	lb.	.21	- —
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, NF, cns., dms	lb.	.35	- .55
Vetiver, Bourbon, cns	lb.	11.75	-14.00
Haitian, cns	lb.	11.10	-13.50
Java, cns	lb.	10.40	-15.00
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached, dms	lb.	No stocks.	
Wheat germ, dms	gal.	10.00	-12.50
White mineral, tech., 50-65 vis., dms., c.l., N. Y.	gal.	.48½-	—
l.c.l., same basis	gal.	.51½-	.56½
65-75 vis., dms., same basis,	gal.	.48½-	—
l.c.l., same basis	gal.	.51½-	.56½
USP, 80-90 vis., dms., c.l., same basis	gal.	.52	- —
l.c.l., same basis	gal.	.55	- .60
125-135 vis., dms., c.l., same basis	gal.	.60	- —
l.c.l., same basis	gal.	.63	- .68
145-155 vis., dms., c.l., same basis	gal.	.63	- —
l.c.l., same basis	gal.	.66	- .71
175-185 vis., dms., c.l., same basis	gal.	.64½-	—
l.c.l., same basis	gal.	.67½-	.72½
200-210 vis., dms., c.l., same basis	gal.	.68	- —
l.c.l., same basis	gal.	.71	- .76
335-345 vis., dms., c.l., same basis	gal.	.74	- —
l.c.l., same basis	gal.	.77	- .82
Wintergreen, nat., Northern, cns.	lb.	8.75	-14.50
Southern, cns	lb.	3.65	- 5.60
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, NF, cns	lb.	3.25	- 3.75
Wormwood, cns.	lb.	6.50	- 7.00
Ylang-ylang, Bourbon, bots	lb.	7.00	- 7.50
extra, bots.	lb.	10.00	-11.00
Madagascar, bots	lb.	6.25	- 6.75

From SHELL CHEMICAL . . .

DIACETONE ALCOHOL

Properties

Molecular Weight	116.16
Specific Gravity 20/4°C	0.9382
Boiling Point (760 mm)	166°C (approx.)
Freezing Point	—44°C
Refractive Index	1.4232
Vapor Pressure 20°C	0.84 mm Hg

Lacquer Solvent Properties

Dilution Ratio	
Toluene	3.0
Aromatic Naphtha	1.0
Aliphatic Naphtha	0.5
Viscosity 25°C (5% soln. ½ sec. nitrocellulose)	153 cps.
Blush Resistance (% relative humidity at 80°F)	87
Rate of Evaporation (n-butyl acetate = 1.0)	0.2

a high-boiling solvent for cellulose ester lacquers

Diacetone Alcohol gives exceptional performance as a high-boiling solvent for cellulose acetate and cellulose acetate butyrate . . . is excellent for nitrocellulose. The presence of Diacetone Alcohol in *your* lacquer formulations will result in an improved product with these advantages:

Better film flow. Diacetone Alcohol is widely employed to control the evaporation rate of lacquers. In this usage a small quantity in combination with active lacquer solvents imparts improved flow properties to the final product.

Greater blush resistance. Diacetone Alcohol not only improves film flow but it also eliminates blushing during the application and drying of the lacquer film. A superior film appearance is thus obtained.

Mild Odor. Diacetone Alcohol is particularly suitable for use in interior brushing lacquers, because of its faint but pleasant odor. This property, together with its slow evaporation rate, makes Diacetone Alcohol excellent for dipping and roller-coating applications.

Other Applications. An effective solvent for penta-chlorophenol, the widely used wood fungicide . . . excellent in hydraulic fluids . . . an important ingredient of industrial dyes and stains.

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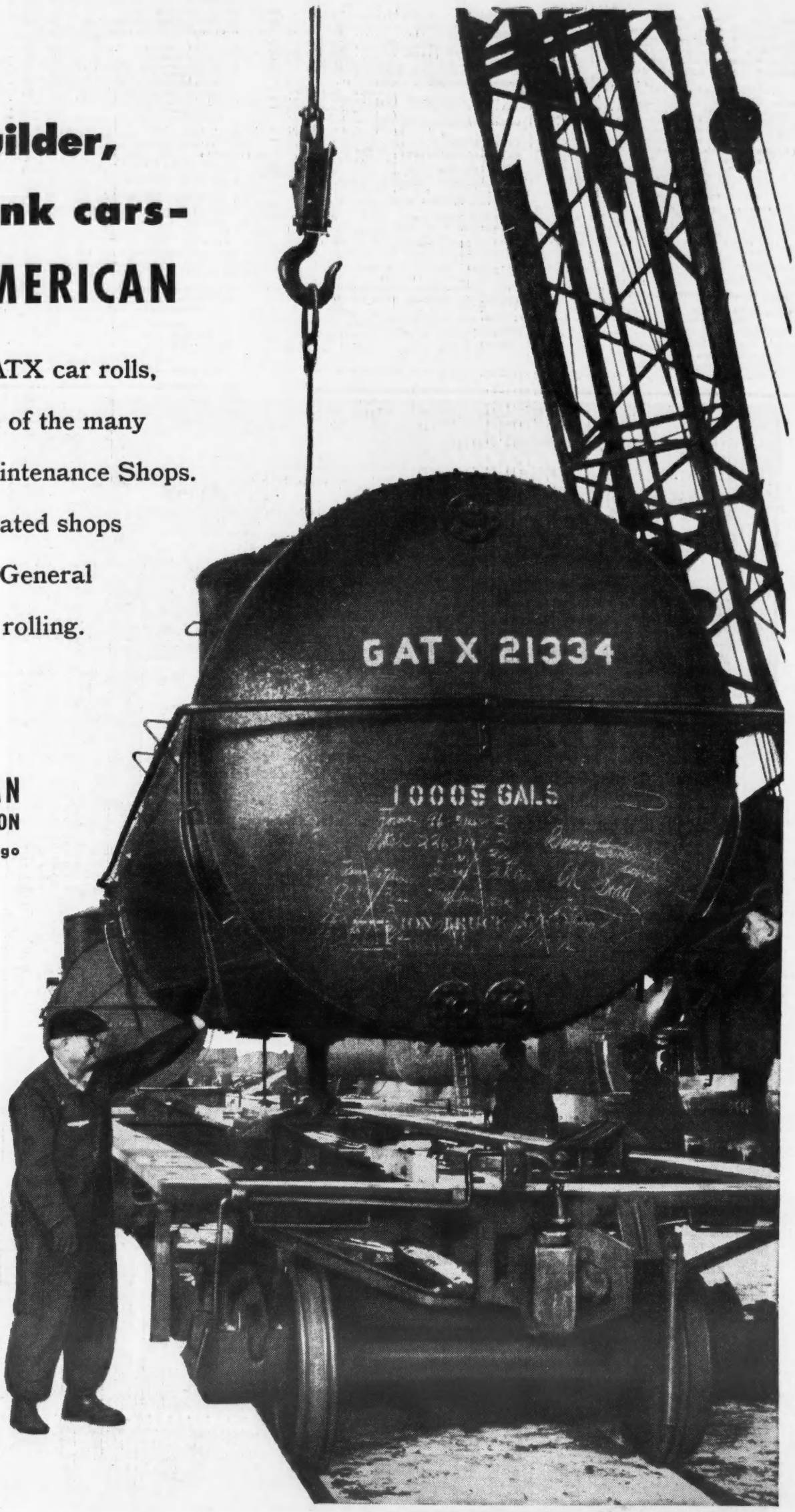


Olein—Peru Balsam

Olein, crude (see Oil red).
white, low titre, dms..... lb. .14 - .15
tankcars ..... lb. .12¾ - —
Oleostearin, bbls..... lb. .10 - —
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, ll mesh, bulk, c.l., works. ton.10.00 - —
paper, bgs., c.l., works .. ton.12.00 - —
Opium, USP, cns. ..... lb.19.20 -19.45
gran., USP, cns. ..... lb.21.65 -21.90
powd., USP, cns. ..... lb.21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts ..... lb. .20¼- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Orange, chrome dinitroanilin toner. lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2010- —
Molybdate ..... lb. .43 - —
Orange, Persian, bbls..... lb. .30 - .45
Orange flowers, bls..... lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .14 - .16
Sweet, bls..... lb. .14 - .16
Oregano, Mexican, bgs..... lb. .12 - .12½
Portuguese, bgs..... lb. .20 - .20½
Sicilian, bgs..... lb. .18 - .18½
Orris root, Florentine, bls..... lb. .22 - .25
powdered, bbls., bxs..... lb. .26 - .29
Verona, bls ..... lb. .18 - .19
powdered, bbls., bxs..... lb. .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis..... lb. .33 - —
tanks, same basis..... lb. .31 - —
Orthoamylphenol, dms., l.c.l., works. lb. .42 - —
Orthoanisidin, bbls ..... lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots..... lb. .62 - .67
Orthochloroparanitroanilin, dms., works lb. .65½- .70
Orthochlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., same basis ..... lb. .28 - —
Orthocresol, pure, 30°, dms., c.l., works, frt. equald lb. .1930- .2405
l.c.l., works..... lb. .1960- .2435
tech., 29°-30°, dms., c.l., works. lb. .1830- .2305
l.c.l., works..... lb. .1860- .2335
25°-27°, dms., c.l., works.... lb. .1630- .2080
l.c.l., same basis..... lb. .1660- .2110
tanks, same basis..... lb. .1500- .1950
Orthodichlorobenzene, 50-lb. cns lb. .12½- —
100-lb. cns..... lb. .11½- —
dms., c.l., works, frt. alld. E. of Rockies lb. .08½- —
l.c.l., same basis..... lb. .09½- —
tanks, same basis..... lb. .07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbanate (see IPC).
Orthoisopropylphenol, dms., c.l.... lb. .29 - —
l.c.l. ..... lb. .30 - —
tanks ..... lb. .28 - —
Orthonitroanilin, dms ..... lb. .50 - .53
Orthonitrochlorobenzene, dms. ... lb. .17 - .18
Orthonitrobiphenyl, tech., dms., c.l., works lb. .10½- —
l.c.l., works ..... lb. .20 - —
tanks, works ..... lb. .18 - —
Orthonitroparachlorophenol, cns.. lb. .75 - —
Orthonitrophenol, dms..... lb. .66 - .77
Orthonitrotoluene, dms. ..... lb. .12 - —
Orthophenetidin, dms., works... lb. .90 - —
Orthotoluidin, dms., c.l., works... lb. .19 - —
l.c.l., same basis..... lb. .20 - —
tanks, same basis..... lb. .18 - —
Orthotolidin, distilled, kgs..... lb. 1.10 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l lb. .15½- —
Ouabaine, USP, bots ..... gram. 3.00 - 4.00
Ox gall, conc., gran., fib. dms., 5 lbs. and up lb. 2.50 - —
Oxyquinolin sulphate, cns., 100 lbs. works..lb. 5.00 - —
smaller lots, works..... lb. 5.10 - 5.25

P

Pancreas substance, assay 1:75 . lb. 5.75 - 6.25
Pancreatin, USP..... lb. 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo.90.00 - —
Papain, powd., NF, cs..... lb. 2.00 - 3.00
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots..oz. 5.00 - —
smaller lots..... oz. 5.05 - 5.20
Sulphate, cns ..... oz. 7.10 - 7.35
Paprika, Chilean, bgs..... lb. .20 - .21
Portuguese, bgs..... lb. .34 - .35
Spanish, bgs. ..... lb. .41 - .43
Para-anisidin, dms., works..... lb. .80 - —
Parachlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., same basis..... lb. .28 - —
Parachloroanilin, dms., frt. alld. E. Miss lb. .70 - —
Parachloro-orthonitroanilin, dms. lb. No stocks.
Paracresol, 98%, dms., works.... lb. .50 - .65
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller quantities..... gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots, works lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .11 - —
l.c.l., same basis..... lb. .12½ - .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y .lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y .lb. .0675- —
122-124 ASTM, loose, c.l., ref'y, lb. .0675- —
125-127 ASTM, loose, c.l., ref'y, lb. .0675- —
128-130 ASTM, loose, c.l., ref'y, lb. .0690- —
130-132 ASTM, loose, c.l., ref'y, lb. .0695- —
132-134 ASTM, loose, c.l., ref'y, lb. .0710- —
135-137 ASTM, loose, c.l., ref'y, lb. .0720- —
Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.
Paraformaldehyde, 95%, dms., 1,000 lbs., works lb. .22 - —
smaller lots, works..... lb. .23 - —
91-92%, flake, fib. dms., c.l., works. lb. .11 - —
10,000 lbs. or more, works lb. .12 - —
smaller lots, works.... lb. .13 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works lb. .12½ - .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works..... lb. .11 - —
USP, cbys..... lb. .51 - .53
Paranitroanilin, kgs., works..... lb. .44½- —
Paranitrochlorobenzene, kgs., works. lb. .18 - —
Paranitrophenol, kgs., works, frt. equald lb. .40 - —
Paranitrotoluene, kgs., works.... lb. .39 - —
Paraphenetidin, dms., works..... lb. .88 - —
Paraphenylphenol, bgs., works .. lb. .28 - .29
Paraphenylenediamine, tech., kgs., works lb. 1.30 - —
Paratertiarybutylphenol, bgs., c.l., frt. equald lb. .21 - —
l.c.l., same basis..... lb. .22 - —
Parathion tech., dms., c.l., works lb. 2.50 - —
l.c.l., works..... lb. 2.55 - —
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., works..... lb. .55 - .63
Pareira brava root, whole, bgs... lb. .30 - .31
ground, bxs..... lb. .35 - .37
powder, bxs..... lb. .38 - .40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E. lb. .31 - —
l.c.l., same basis..... lb. .32 - .33
Passion flower herb, bls..... lb. .26 - .28
Patchouli leaves, bls..... lb. .45 - .55
Peanut meal, 45%, sacked, mills.. ton.57.00 -58.00
Pectin, citrous, NF, powd., bbls. lb. 2.05 - 2.06
tech., powd., bbls..... lb. 1.42 - 1.43
Penicillin, amorphous, calcium, USP, bulk, 100,000,000 to 5,000,000,000 unit lots 100,000 units. .04½- .05¼
Sodium, USP, unlabeled vials, 100,000 units..vl. .10 - —
200,000 units..... vl. .15 - —
500,000 units..... vl. .31 - —
1,000,000 units..... vl. .60 - —
crystalline, potassium, unlabeled vials, 100,000 units..vl. .11 - —
200,000 units..... vl. .17 - —
500,000 units..... vl. .36 - —
1,000,000 units..... vl. .70 - —
bulk, 100,000,000 to 5,000,000,000 unit lots 100,000 units. .05¾- .06¼
procaine, regular or pulverized, bulk, 100,000,000 to 5,000,000,000 units lots..... 100,000 units. .05¾- .06¼
sodium, unlabeled vials, 100,000 units..vl. .11½- —
200,000 units..... vl. .18 - —
500,000 units..... vl. .38½- —
1,000,000 units..... vl. .75 - —
bulk, 100,000,000 to 5,000,000,000-unit lots..... 100,000 units. .05¾- .06¼
Pennyroyal leaves, bls..... lb. .28 - .30
Pentachlorophenol, dms., works... lb. .20 - .25
Pentaerythritol, tech., bgs., c.l., works..lb. .29 - —
l.c.l., works..... lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3. gal. .10½- .11¼
Pepper, black, bgs..... lb. 1.00 - 1.01
afloat, bgs..... lb. 1.00 - 1.01
Aug.-Sept. shipt, bgs..... lb. 1.01 - 1.02
Jan.-Mar., bgs..... lb. .78 - .79
Red, Carolina, futures, bgs..... lb. .40 - .42
Hontaka, bgs. ..... lb. .65 Nom.
Louisiana longs, bgs..... lb. .18 Nom.
Mombasa chillies, bgs..... lb. .38 - .39
Niger, capsicum, bgs..... lb. .38 - .39
birdseye, bgs. ..... lb. .65 Nom.
White, bgs. ..... lb. 1.52 - 1.55
Peppermint, USP, dom., bls..... lb. .50 - .65
imported, bls. ..... lb. .95 - 1.05
Pepsin, NF, bulk containers..... lb. 3.90 - —
Perchloroethylene, dms., c.l., zone 1, works, frt. alld. lb. .11 - —
zone 2, same basis..... lb. .11½- —
zone 3, same basis..... lb. .12 - —
zone 4, same basis..... lb. .12 - —
l.c.l., zone 1, same basis..... lb. .11¾- —
zone 2, same basis..... lb. .12¼- —
zone 3, same basis..... lb. .12¾- —
zone 4, same basis..... lb. .12¾- —
tanks, zone 1, same basis..... lb. .10½- —
zone 2, same basis..... lb. .11 - —
zone 3, same basis..... lb. .11½- —
zone 4, same basis..... lb. .11½- —
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah Wash.
Peru balsam, dms..... lb. .85 - 1.00

Heyden
CHLORINATED BENZENES

MONOCHLOROBENZENE
ORTHODICHLOROBENZENE
PARADICHLOROBENZENE
TRICHLOROBENZENE

PARADICHLOROBENZENE

Available now for immediate shipment, Heyden Paradichlorobenzene can be obtained as nuggets, No. 4, No. 6 or No. 12 crystals, all of the highest purity, to meet your requirements. It is shipped in 200-lb. fiber drums.

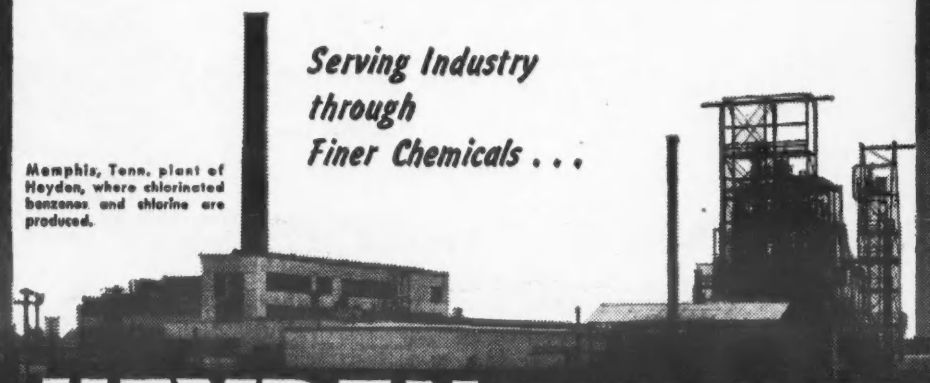
PROPERTIES

Appearance	colorless crystals
Odor	characteristic, agreeable odor
Freezing Point	53.0°C.
Boiling Point	174.0°C.
Specific Gravity	1.458 at 20°/4°C. (solid) 1.248 at 55°/4°C. (liquid)
Bulk Density	6.7 lbs. per gallon (crystals)
Flash Point	165°F. (open cup)
Solubility	0.008 g. per 100 g. water at 25°C.; very soluble in alcohols, ketones, ethers, benzene, chlorinated solvents
General	chemically stable and non-corrosive; sublimes slowly at room temperature

Benzaldehyde
Benzoates
Benzoic Acid
Benzyl Chloride
Bromides
Chlorinated Aromatics
Chlorobenzenes
Creosotes
Formates
Formaldehyde
Formic Acid
Glycerophosphates
Guaiacols
Hexamethylenetetramine
M.D.A. (Methylene Disalicylic Acid)
Paraformaldehyde
Parahydroxybenzoates
Penicillin
Pentaerythritols
Salicylates
Salicylic Acid
Streptomycin

Serving Industry through Finer Chemicals . . .

FINE HEYDEN CHEMICALS



Memphis, Tenn. plant of Heyden, where chlorinated benzenes and chlorine are produced.

HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVENUE, NEW YORK 1, N. Y.
Chicago 6: 20 North Wacker Drive • Philadelphia 3: 1700 Walnut St. • San Francisco 11: 420 Market St. • RUMFORD DIVISION: Rumford 15, R. I.

Petrolatum, USP, amber, dms., c.l., New York	lb.	.04⅞-	—
l.c.l., same basis	lb.	.05¼-	—
Cream, dms., c.l., same basis	lb.	.06⅜-	—
l.c.l., same basis	lb.	.08 -	—
Extra amber, dms., c.l., same basis	lb.	.05¼-	—
l.c.l., same basis	lb.	.06 -	—
White, lily, dms., c.l., same basis	lb.	.06⅞-	—
l.c.l., same basis	lb.	.08¼-	—
snow, dms., c.l., same basis	lb.	.07⅛-	—
l.c.l., same basis	lb.	.08½-	—
soft, dms., c.l., same basis	lb.	.06⅝-	—
l.c.l., same basis	lb.	.07½-	—
Yellow, soft, dms., c.l., same basis	lb.	.05 -	—
l.c.l., same basis	lb.	.05⅜-	—
Petroleum, crude, bulk, at wells, California	bbl.	1.25 -	2.94
Illinois	bbl.	2.46 -	2.88
Kentucky	bbl.	2.43 -	2.83
Louisiana-Arkansas	bbl.	2.08 -	2.90
Montana	bbl.	1.28 -	2.773
Oklahoma-Kansas	bbl.	2.23 -	2.65
Pennsylvania, lower field	bbl.	3.40 -	—
Upper field	bbl.	2.70 -	3.40
Texas, East	bbl.	2.65 -	—
Gulf coast	bbl.	2.38 -	2.93
North, North-Central	bbl.	2.23 -	2.65
Panhandle	bbl.	2.23 -	2.65
West	bbl.	2.10 -	2.65
Wyoming	bbl.	1.23 -	2.073
Ether, laboratory, 30°-60° C, cns., dlvd. E.	gal.	1.50 -	—
dms., c.l., group 3	gal.	.26 -	—
l.c.l., same basis	gal.	.44 -	—
35°-60° C, 10-gal. cns., dlvd. E.	gal.	1.50 -	—
dms., c.l., Group 3	gal.	.26 -	—
l.c.l., same basis	gal.	.44 -	—
40°-75° C, 10-gal. cns., dlvd. E.	gal.	1.50 -	—
dms., c.l., Group 3	gal.	.26 -	—
l.c.l., same basis	gal.	.44 -	—
90°-160° C, ret. dms., ex tax, f.o.b. San Francisco	gal.	.87 -	—
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl.	1.85 -	2.05
light, tanks, refinery	bbl.	2.05 -	2.25
Eastern, tanks, Albany, N. Y.	bbl.	2.00 -	—
Baltimore, Md.	bbl.	1.63 -	—
Boston, Mass.	bbl.	1.68 -	1.83
Charleston, S. C.	bbl.	1.58 -	—
Jacksonville, Fla.	bbl.	1.58 -	—
New York, N. Y.	bbl.	1.63 -	1.72
Norfolk, Va.	bbl.	1.63 -	—
Philadelphia, Pa.	bbl.	1.63 -	—
Portland, Me	bbl.	1.68 -	—
Providence, R. I.	bbl.	1.655 -	—
Savannah, Ga.	bbl.	1.58 -	—
Diesel, tanks, refinery, California	gal.	.031 -	.115
Pennsylvania	gal.	.0375-	.0925
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.06875-	—
No. 3	gal.	.065 -	—
Bayonne, N. J., No. 2	gal.	.075 -	—
Group 3, No. 1	gal.	.07 -	.08
No. 1, straw	gal.	.07 -	.08125
No. 2, straw	gal.	.0625-	.085
range	gal.	.07 -	.0875
Pennsylvania, No. 1	gal.	.0925-	.1025
No. 2	gal.	.0875-	.10
No. 3	gal.	.0875-	.0925
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147 -	—
255 F, b.r., tanks, ex-tax, Portland, Ore	gal.	.158 -	—
San Francisco	gal.	.152 -	—
Seattle, Wash	gal.	.158 -	—
East coast, tanks, N. J. and N. Y. refinery	gal.	.16 -	—
Group 3, benzol-type, tanks, refinery	gal.	.12125-	—
toluol-type, tanks, refinery	gal.	.11125-	.12125
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco	gal.	.152 -	—
205-295 b.r., tanks, same basis	gal.	.152 -	—
245-360 b.r., tanks, same basis	gal.	.152 -	—
305-362 b.r., tanks, same basis	gal.	.142 -	—
312-400 b.r., tanks, same basis	gal.	.142 -	—
360-455 b.r., tanks, same basis	gal.	.152 -	—
East coast, tanks, N. J., N. Y., refinery	gal.	.14 -	—
Group 3, tanks	gal.	.09375-	.10625
tankwagon, Baltimore	gal.	.175 -	—
Boston	gal.	.16 -	—
Buffalo	gal.	.165 -	—
Camden, N. J.	gal.	.15 -	—
Chicago	gal.	.197 -	—
Detroit	gal.	.214 -	—
Kansas City, Mo.	gal.	.182 -	—
Newark	gal.	.15 -	—
New York	gal.	.15 -	—
Philadelphia	gal.	.14 -	—
Pittsburgh	gal.	.175 -	—
Providence	gal.	.165 -	—
Rochester	gal.	.18 -	—
St. Louis	gal.	.19 -	—
Syracuse	gal.	.19 -	—
Washington, D. C	gal.	.173 -	—
Naphtha, cleaners, California, tanks, San Francisco	gal.	.123 -	—
East coast, tanks, N. J., N.Y., refinery	gal.	.14 -	—
Group 3, tanks	gal.	.10375-	.11625
tankwagons, St. Louis	gal.	.19 -	—
Newark	gal.	.15 -	—
Chicago	gal.	.197 -	—
Detroit	gal.	.214 -	—
New York	gal.	.15 -	—
Philadelphia	gal.	.14 -	—
high-flash, 140° F, group 3, refinery, tanks	gal.	.13 -	.145
200-283 b.r., 37-38°C, mixed anilin pt., tanks, refinery	gal.	.20 -	.21¼
25-26°C, m.a.p., tanks, same basis	gal.	.21 -	.24
270-370 b.r., 78-81°C, m.a.p., tanks, same basis	gal.	.23½-	—
49°C, m.ap., tanks, same basis	gal.	.26½-	—
26-27°C, m.a.p., tanks, same basis	gal.	.21 -	.24¼
00-400 b.r., 28-32°C, m.a.p., tanks, same basis	gal.	.21 -	.27
340-410 b.r., 27°C, m.a.p., tanks, same basis	gal.	.30½-	—
32°C, m.a.p., tanks, same basis	gal.	.21 -	—
36°C, m.a.p., tanks, same basis	gal.	.21 -	—
340-440 b.r., 32°C, m.a.p., tanks, same basis	gal.	.25½ -	.27
360-490 b.r., 25°C, m.a.p., tanks, same basis	gal.	.21 -	—
V.M.&P., ref'y, California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147 -	—
Portland, Ore.	gal.	.158 -	—
San Francisco	gal.	.152 -	—
Seattle, Wash.	gal.	.158 -	—
East coast, N. J., N. Y., tanks,	gal.	.15 -	—
Group 3, tanks	gal.	.10375-	.11625
Petroleum naphtha, V.M.&P., tankwagon, Boston	gal.	.175 -	—
Chicago	gal.	.207 -	—
Detroit	gal.	.224 -	—
Milwaukee	gal.	.209 -	—
Minneapolis	gal.	.207 -	—
Newark	gal.	.165 -	—
New York	gal.	.165 -	—
Philadelphia	gal.	.165 -	—
Pittsburgh	gal.	.185 -	—
St. Louis	gal.	.20 -	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.152 -	—
East coast, N. J., N. Y.,	gal.	.15	—
Group 3, tanks	gal.	.10375-	.10875
Stoddard, California, tanks, ex tax, San Francisco	gal.	.142 -	—
East coast, N. J., N. Y., tanks	gal.	.14	—
Group 3, tanks	gal.	.09875-	.11125
Pennsylvania, western, tanks,	gal.	.10	—
tankwagon, Boston	gal.	.16 -	—
Chicago	gal.	.197 -	—
Detroit	gal.	.214 -	—
Milwaukee	gal.	.199 -	—
Minneapolis	gal.	.197 -	—
Newark	gal.	.15 -	—
New York	gal.	.15 -	—
Philadelphia	gal.	.14 -	—
Pittsburgh	gal.	.175 -	—
St. Louis	gal.	.19 -	—
Syracuse	gal.	.19 -	—
Sulphonate, 70% sulphonic content,, ret. dms., c.l., works	lb.	.1715-	—
l.c.l., works	lb.	.1750-	—
tanks, works	lb.	.1525-	—
50% sulphonic content, ret. dms., c.l., works	lb.	.1365-	—
l.c.l., works	lb.	.1400-	—
tanks, works	lb.	.1175-	—

Phenobarbital, USP, dms., 100 lbs.	lb.	4.00 -	4.35
Phenobarbital-sodium, USP, dms.	lb.	4.00 -	4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies.	lb.	.1275-	—
l.c.l., same basis	lb.	.1350-	—
tanks, same basis	lb.	.1100-	—
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.1275-	—
l.c.l., same basis	lb.	.1350-	—
tanks, same basis	lb.	.1100-	—
USP, dms., c.l., same basis	lb.	.13½-	.1425
l.c.l., same basis	lb.	.1425-	.1500
tanks, same basis	lb.	.1250-	—
Phenolphthalein, USP yellow, cbls., dms., 2,000 lbs	lb.	1.00	—
smaller lots	lb.	1.02 -	1.07
Phenothiazin, NF, fib. dms., 18,000 lbs., works	lb.	.44 -	—
smaller lots, works	lb.	.46 -	—
Phenylacetaldehyde solution, 50%, bots	lb.	2.35	2.65
100%, bots	lb.	4.00 -	4.75
Phenylacetamide, dms., works, 1,000 lb. lots	lb.	1.25 -	—
smaller lots	lb.	1.60	—
Phenyl acetate, dms., 100-lb. lots, works	lb.	.50	—
Salicylate (see Salol).			
Phenylalanine dextro laevo, dms., works	lb.	30.00	-37.50
Phenyldiethanolamine, dms., c.l., works	lb.	.35½-	—
t.c.l. works	lb.	.36½-	—
Phenylethanolamine, dms., c.l., works	lb.	.67½-	—
t.c.l., same basis	lb.	.68½-	—

Petrolatum, USP—Phosphate Rock

Phenylethyl acetate, dms.	lb.	1.45 -	2.70
Phenylethylphenyl acetate, bots.	lb.	3.75 -	6.00
Phenylhydrazin base, CP, bots ...	lb.	3.00 -	3.07
Hydrochloride, CP, bots., works.	lb.	5.00	5.07
commercial, kgs. works	lb.	1.75 -	—
Phenylmethylpyrazolone, dms., works	lb.	1.58	1.60
Phloroglucinol, CP, fib. dms., works	lb.	13.75	-15.75
commercial fib. dms., works	lb.	4.50 -	7.00
tech., fib., dms., works	lb.	10.00	-10.75
Phosgene, 150-lb. cyls., works	lb.	.20½-	—
10-lb. cyls., works	lb.	1.50 -	—
Phosphate, defluorinated (see under D).			
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66% b.p.l., bulk, c.l., car at mine	long ton.	3.60 -	—
70%-68% b.p.l., c.l., same basis	long ton.	4.00 -	—
72%-70% b.p.l., c.l., same basis	long ton.	4.60 -	4.80
75%-74% b.p.l., c.l., same basis	long ton.	5.60 -	5.80
77%-76% b.p.l., c.l., same basis	long ton.	6.60 -	6.80
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum	short ton.	4.93 -	—
68% b.p.l., basis 31% P_2O_5 minimum	short ton.	5.28 -	—
70% b.p.l., basis 32% P_2O_5 minimum	short ton.	5.83 -	—

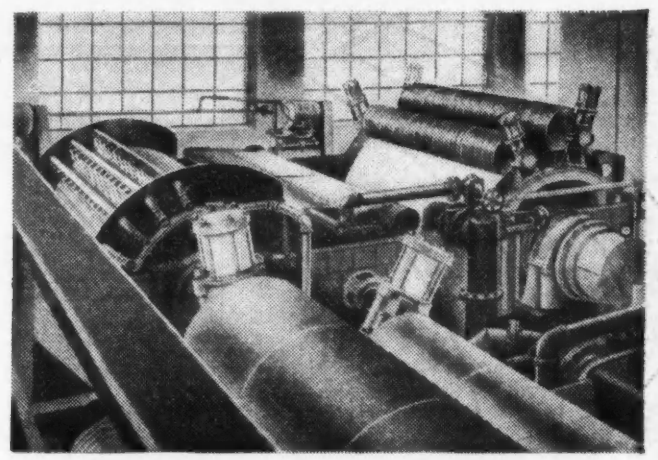
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

as you were in 1900

Paper bleaching was a slow and uncertain process at the turn of the century

as you are today

Bleaching with liquid chlorine in a modern mill is fast, efficient, precise



...with pioneering aid from Niagara Alkali

An old industry with young and progressive ideas, the paper industry has made tremendous strides forward since 1900—in the speed and efficiency of its methods and the quality, variety and utility of its products.

Niagara's pioneer production in America of liquid chlorine and caustic soda helped to make such advances possible in the paper industry—and in the textile, soap, glass and other fields. For pioneer quality and service in electro-chemical products look to Niagara.

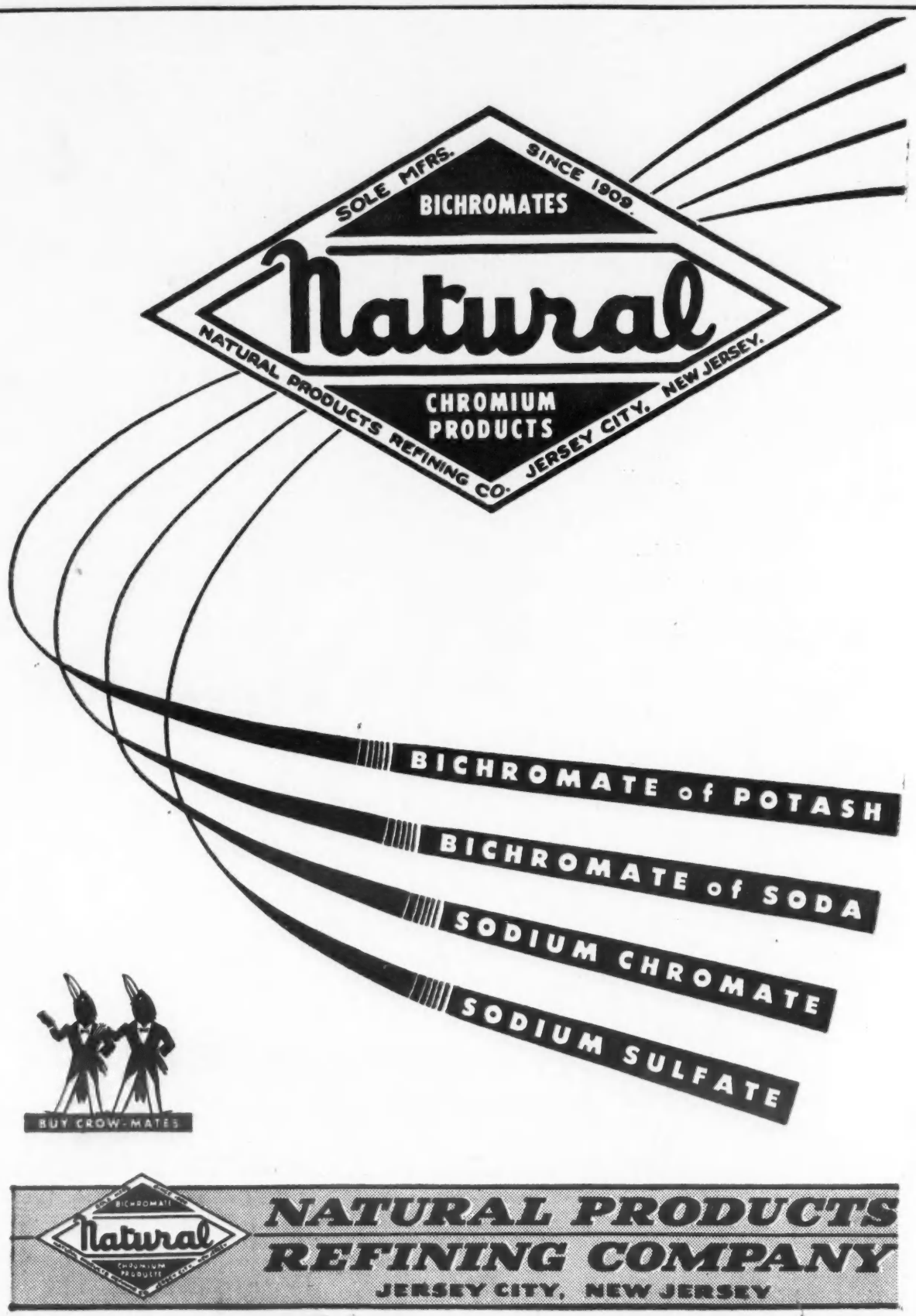
NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, N. Y.

Liquid Chlorine • Caustic Potash • Carbonate of Potash • Paradichlorobenzene • Caustic Soda • HIALK TRICHLORethylene

Phosphate Rock, Tennessee—Purple, Lake

Phosphate rock, Tennessee, brown, run of mine, unground, 27-28% P_2O_5 ..long ton. 6.45 - —
30-29% P_2O_5 ..long ton. 7.21 - —
Phosphorus, red, amorphous, cs lb. .33 - .36
tins, export ..lb. .34 - .37
Yellow, cns ..lb. .30 - .37
dms., c.l. ..lb. .28 - —
Phosphorus oxychloride, dms., works lb. .12 - .15
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works ..lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works ..lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export ..lb. .33½- .36
Trichloride, dms., c.l., works lb. .12 - .15
l.c.l., works ..lb. .13 - .16
Phthalamide, bbls., works ..lb. .35 - .40
kgs., works ..lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald ..lb. .21½- —
l.c.l., same basis ..lb. .22½- —
Phthalic anhydride prices on Pacific Coast same as above.
Pichi leaves, bgs ..lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, USP, bots ..oz. 8.00 - —
Pilocarpine hydrochloride, NF, bots., vials ..oz. 6.50 - 7.50
Nitrate, USP, bots, vials ..oz. 6.25 - 7.25
Pimento, Jamaica, bgs ..lb. .22½- .23
Pinetar, retort, dms., incl., c.l., works, South lb. .045 - —
l.c.l., same basis ..lb. .0473- —
whse., N.Y.C. ..lb. .0595- —
tanks, works, South ..lb. .035 - —
Pinkroot, bls. ..lb. 1.85 - 2.00
Piperidine, 95%, dms., frt. equald. lb. 1.65 - —
98%, dms., same basis ..lb. 1.75 - —
Piperazine hexahydrate, bots ..lb. 8.50 - 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150°F. m.p., bbls., c.l., works ..ton.34.00 - —
l.c.l., works ..ton.36.00 -37.00
Cottonseed, dms., works ..lb. .08 - .08½
Hardwood, paper bgs., c.l., works, lb. .02 - —
Linseed, dms ..lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, ums., ex whse. Eqct. 100 lbs. 6.90 - —
Soybean, dms., works ..lb. .06 - .06¼
Plaster of paris (see Gypsum).
Platinum metal, works ..oz.69.00 -72.00
Pokeroot, bls ..lb. .14 - .16
Pleurisy roots, bls ..lb. .25 - .28
Podophyllin, NF, dms ..lb.14.25 - —
Polystyrene, plain colors, dms., 29,920 lbs., frt. alld ..lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis ..lb. .32 - —
smaller lots, same basis ..lb. .34 - —
Special colors, dms., 29,920 lbs., same basis ..lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis ..lb. .35 - —
smaller lots, same basis ..lb. .37 - .50
Water-clear, dms., 29,920 lbs., same basis ..lb. .26 - —
20,020 lbs. to 20,920 lbs., same basis ..lb. .27 - —
smaller lots, same basis ..lb. .28 - —
Polystyrene in bgs. ½c. per lb. lower.
Pomegranate root bark, bgs ..lb. .68 - .70
Poppy flowers, bls ..lb. .50 - .55
Seed, Dutch, bgs ..lb. .17¾- .18
Polish, bgs. ..lb. .14½- .15
Turkish, bgs., futures ..lb. .13½- .13¾
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works, 100 lbs. 9.55 - —
l.c.l., works ..100 lbs. 9.75 - —
liquid, dms., c.l., 45%, works, 100 lbs. 4.525 - —
l.c.l., works ..100 lbs. 5.025 - —
tanks, works ..100 lbs. 4.20 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.15 - —
l.c.l., works ..100 lbs. 9.90 - —
regular, flake, 88-92% dms., c.l., works ..lb. .0815- —
l.c.l., works ..lb. .089 - —
liquid, 45% basis, dms., c.l., works ..lb. .03725- —
l.c.l., same basis ..lb. .0450- —
tanks, same basis ..lb. .0340- —
solid, 88-92%, dms., c.l., works, lb. .0755- —
l.c.l. ..lb. .0830- —
Potassium abietate ..lb. .08 - —
Acetate, USP, dms ..lb. .31 - .36
Bicarbonate, USP, gran., dms ..lb. .20 - .22
powd., dms ..lb. .22 - .24
Bichromate, bgs., c.l., works ..lb. .12¾- —
l.c.l., bgs., works ..lb. .12½- .13¾
Potassium bichromate in bbls., ¼c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works ton.192.00 - —
ton lots, works ..ton.245.50 - —
less ton lots, works ..ton.250.50 - —
Bromate, bbls., 1,000 lbs. or more, lb. .48 - —
25-200 lbs ..lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs ..lb. .53 - .34
Potassium carbonate, tech., calcined, bbls., c.l., works ..lb. .0780- —
l.c.l., same basis ..lb. .0830- —
hydrated, 83-85%, bbls., c.l., works ..lb. .06¼- —
dms., l.c.l., works ..lb. .06¾ —
USP, gran., bbls., dms ..lb. .16½- .18
powd., bbls., dms ..lb. .21 - .23
Chromate, tech., bgs ..lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .08½- —
l.c.l., works ..lb. .09¾- —
powd., dms., kgs., c.l., works lb. .09 - —
l.c.l., works ..lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse. ..lb. .12 - —
NF, gran., dms ..lb. .31 - .33
Chloride, USP, cryst., dms ..lb. .26 - .27
gran., bbls ..lb. .20 - .22
powd., bbls ..lb. .29 - .32
Citrate, USP, gran., dms ..lb. .37½- .38½
powder, dms. ..lb. .40½- .41½
Cyanide, dms., works ..lb. .52½- .55
Fluoride, dms., works ..lb. .24 - —
Glutonate, dms. ..lb. .75 - 79
Glycerophosphate, 75% solution, cbys. ..lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms ..lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars ..lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, 50-lb. lots, fib. dms. ..lb. .90 - .93
Iodide, dms. ..lb. 2.10 - 2.13
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls ..lb. .21 - —
powd., bbls ..lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. ..unit-ton. .37½- —
Trona, Cal ..unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls ..lb. .30 - .32
purified, dms. ..lb. .42 - .44
Perchlorate, kgs., c.l., works ..lb. .13½- —
dms., l.c.l., works ..lb. .14 - 15
Permanganate, tech., dms., works, lb. .21¾- .22¾
USP, dms., works ..lb. .23½- .24
ex whse ..lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l., works ..lb. .21 - —
Phosphate, tetrabasic, bbls., works ..lb. .13 - .13¼
Prussiate, red, kgs ..lb. .60 - .63
yellow, bbls ..lb. .21 - —
kegs ..lb. .26 - —
Ricinoleate, tech., bbls ..lb. .18 - —
Silicate, glass, bgs., c.l., works, ton 200.00 - —
l.c.l. ..100 lbs.15.25 - —
Solution, 29° Be, ret. dms., c.l., works ..100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works ..100 lbs. 5.50 - —
62° Be, net, dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works ..100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works ..100 lbs. 7.00 - —
Silicofluoride, bbls., works ..lb. .07 - .08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works ..ton.32.50 - —
indust., bulk, works ..ton.36.00 - —
NF, cryst., bbls. ..lb. .31 - .33
gran., dms ..lb. .18½- —
powder, dms ..lb. .17 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms ..lb. .70 - .78
tech., works ..lb. .45 - .50
Titanate, ctns., c.l., works ..lb. .12 - —
5 tons, works ..lb. .12¼- —
1 ton or less, works ..lb. .12½- .13
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MgO, works ..ton.14.50 - —
Potassium-sodium ferricyanide, kgs., works ..lb. .50 - .53
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works ..lb. .45 - .58
Potassium-titanium oxalate, bbls., dms ..lb. .55 - .60
Potassium-zirconium fluoride, fib. dms., c.l., works ..lb. .50 - —
l.c.l., works ..lb. .52½- .55
Prickly ash bark, bls ..lb. .25 - .27
Berries, bgs ..lb. .55 - .75
Prince's pine herb, bls ..lb. .54 - .60
Procaine hydrochloride, USP, cns., 200-lb. lots ..lb. 4.25 - 4.75
smaller lots ..lb. 4.40 - 5.25
Progesterone, USP, 100 gms ..gm. 3.75 - —
Propane, commercial grade, cans, group 3 ..gal. .02½- —
Propionaldehyde, dms., c.l., works, lb. 28½- —
l.c.l., works ..lb. 29½- —
tanks, works ..lb. .25 - —
Propylaldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms ..lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. works ..lb. .08½- —
l.c.l. ..lb. .09½- —
smaller containers ..lb. .12½- —
tanks ..lb. .07 - —
Oxide, dms., c.l., frt. alld. E ..lb. .20½- —
l.c.l., frt. alld. E ..lb. .21½- —
tanks, frt equald. E ..lb. .18½- —
Propyleneglycol NF, dms., c.l., frt. alld. E ..lb. .17½- —
l.c.l., same basis ..lb. .18½- —
tanks, same basis ..lb. .16 - —
tech., dms., c.l., frt. alld. E ..lb. .16½- —
l.c.l., same basis ..lb. .17½- —
tanks, same basis ..lb. .15 - —
Methylether, dms., c.l., frt. equald, lb. .18 - —
l.c.l., same basis ..lb. .18½- —
tanks, same basis ..lb. .16½- —
Propylthiouracil, bots., 50 kilos or more, works ..kilo.55.00 - —
smaller lots, works ..lb.35.30 - —
Psyllium seed, black, bgs ..lb. .25 - .26
blonde, bgs ..lb. .21 - .26
husks, bgs ..lb. .55 - .65
Pulsatilla herb, bls ..lb. .55 - .60
Pumice, dom., grd., course, 0, 1, 1½, 2, 3, bgs., ton lots, lb. .03⅝- .04
Chicago, bgs., ton lots ..lb. .04½- —
smaller lots ..lb. .03⅞- .04¼
fine, bgs., ton lots ..lb. .03⅝- —
smaller lots ..lb. .03⅝- .04
Italian, silk-screen, fine, bgs., ton lots ..lb. .04 - —
coarse, bgs., ton ..lb. .05¼- —
sun dried, fine, bgs., ton lots ..lb. .03 - —
coarse, bgs., ton lots ..lb. .04½- —
Pumice in bbls is ½c. per lb. higher.
Pumpkin seed, bgs ..lb. .18 - .96
Purple lake (see Red).



Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb. 10.00 - 11.00
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 7.50 - 8.50
regular base, dms., works, gal. 7.40 - 8.40
(30 to 1) base 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal. 11.10 - 12.60
regular base, dms., works, gal. 11.00 - 12.50
Flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .33 - .37
powder, 1.3% pyrethrins, bbls., works lb. .46 - .52
Pyridin, denaturing, dms., works and frt. equald., c.l. gal. 2.00 - 2.69
l.c.l. gal. 2.00 - 2.72
refd., 2° non-ret. dms., c.l., same basis lb. .79 - .79½
l.c.l., same basis lb. .80 - —
ret. dms., c.l., same basis lb. .79 - —
lb. .79 - —
l.c.l., same basis lb. .79½ - —
Pyridoxin hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. All ports, long ton 8.00 - —
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton. 11.00 - 11.50
230 mesh bulk, c.l., mines ton. 12.00 - —
325 mesh, bulk, c.l., mines ton. 15.00 - —
No. 3, 200 mesh bulk, c.l., mines, ton. 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines ton. 9.00 - 10.00
rubber grade, 140 mesh, bulk, c.l., mines ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .14 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .15 - —
mixed colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —
USP, bots., dlvd. lb. 9.54 - —

Q

Quassia chips, bls. lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra lb. .17½ Nom.
liq., 35% tannin, bbls., works, lb. .09 - —
tanks, same basis lb. .08¼ - —
solid, 64% tannin, bgs., c.l., duty extra lb. .11½ - —
powd., 70% tannin, ogs., c.l., same basis lb. .18 Nom.
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis, lb. .10¾ - —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .16
Quercitron crystals, bbls., l.c.l. lb. .33½ - —
Extract, liquid, bbls., l.c.l. lb. .14½ - —
solid, bxs. lb. .28 - —
Quicksilver, flasks (76 lbs.) net, flask. 79.00 - 83.00
Quince seed, bgs. lb. .95 - 1.75
Quinindine, NF, V, cryst., cns. oz. 2.10 - —
powd., precip., cns. oz. 2.05 - —
Sulphate, USP, cns. oz. 1.35 - —
Quinine, NF, cns., 100 ozs. oz. 1.00 - —
Bisulphate, USP, cns., 100 ozs. oz. .73 - —
Dihydrochloride, USP oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. 1.07 - —
Hydrobromide, NF, cns., 50-oz. cns oz. .91 - —
Hydrochloride, USP, cns., 100 ozs. lb. .91 - —
Hypophosphite, cns., 100 ozs. oz. 1.35 - —
Phosphate, NF, cns., 100 ozs. oz. 1.10 - —
Salicylate, NF, cns., 100 ozs. oz. .95 - —
Sulphate, USP, cns., 100 ozs. oz. .80½ - —
Quinine-urea hydrochloride, NF, cns. oz. .97 - —
Quinolin, dms., c.l., works lb. .50¾ - .54¼
l.c.l., same basis lb. .51¼ - .55
tanks lb. .50 - .51

R

R salt, paste, dry basis, dms. lb. .70 - .75
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.43 - 2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies, lb. 1.35 - —
light shade, bbls., same basis, lb. 1.20 - —
maroon, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red, bbls., same basis lb. 1.15 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. .135 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11¼ - .11¾
Iron oxide, synth., bgs. lb. .11½ - .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J. lb. .05¼ - .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works, lb. 1.05 - —
Lithol toner, bbls., works lb. .80 - —
Red, lithol-rubin toner, alizarin, lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02½ - .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾ .07
Para toner, bbls. lb. .85 - .88
chlorinated, kgs lb. .95 1.05
concentrated alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake alizarin, bbls., works lb. .20 - .25
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½ - .05¾
l.c.l., ex dock lb. .05¾ - .06
ex whse., New York lb. .06½ - —
grade 2, bbls., c.l., ex dock lb. .05¼ - .05½
l.c.l., ex dock lb. .05½ - .05¾
ex whse., New York lb. .06¼ —
Toluidin toner (MNPT), kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½ - —
Tuscan, bbls., frt. equald lb. .24½ - .25
Venetian, 15%, ogs., works lb. .0350 - —
20%, bgs., works lb. .0360 - —
25%, bgs., works lb. .0410 - —
30%, bgs., works lb. .0440 - —
35%, bgs., works lb. .0465 - —
40%, bgs., works lb. .0490 - —
Red, vermilion, Amer., bbls. lb. .32 - —
Quicksilver, ctns. lb. 2.27 - —
Red Precipitate, NF, powd., bbls., dms lb. 2.17 - 2.19
Red saunders wood, grd., bbls. lb. .35 - —
Rennin, NF lb. 6.50 - —
Resorcinol, tech., dms., works lb. .75 - —
USP, cryst., dms., works lb. 1.80 - —
powd., dms., works lb. 2.00 - —
Monoacetate, NF, dms lb. 3.25 - 3.45
Rhantany root, bgs lb. .10 - .12
Rhubarb root, whole, cs lb. .85 - 1.05
powd., bbls. lb. .90 - 1.25
Riboflavin, USP, bots kilo. 125.00 - —
Readily soluble, bots kilo. 175.00 - —
Rice bran concentrate, dms., Cedartown, Ga. lb. .79 - —
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs. lb. .28½ - —
smaller lots lb. .29 - .30
Rose flowers, pale, bls lb. .20 - .24
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .17
Portuguese, bls lb. .06 - .06½
Spanish, bls lb. .08 - .08½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.25 - —
FF, dms., c.l., works 100 lbs. 5.50 - —
G, H, I, dms., c.l., works 100 lbs. 6.48 - —
K, dms., c.l., works 100 lbs. 6.48 - —
M, dms., c.l., works 100 lbs. 6.48 - —
N, dms., c.l., works 100 lbs. 6.48 - —
WG, dms., c.l., works 100 lbs. 6.48 - —
WW, dms., c.l., works 100 lbs. 6.60 - —
X, dms., c.l., works 100 lbs. 6.70 - —
Rotenone, C.P., bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —

Pyrethrum, Concentrate—Saltcake

Rue herb, bls. lb. .40 - .45
Rutin, 10 kilos, fib. dms. gram. .07½ - .12
5 kilos, fib. dms. gram. .07½ - .13
smaller lots, fib. dms. gram. .08 - .13¼

S

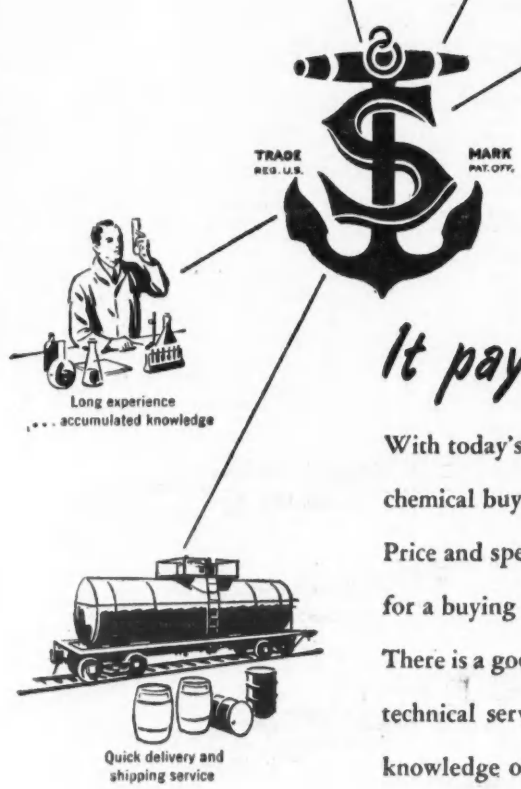
Sabadilla seed, powd., bbls. lb. .30 - —
activated ground with lime, bbls. lb. .26 - .27
Saccharin, USP, gran., soluble, 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.53 - —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .90 - 1.00
Saffron, Mexican, bls lb. 1.20 - 1.35
Spanish, USP, tins lb. 17.00 - 18.00
Safrol, dms lb. .68 - 75
Sage, Cyprus, bls lb. .08 - .09
Dalmatian, bls lb. .23½ - .24
Greek, fancy, bls lb. .13½ - .14
Spanish, bls lb. .13½ - .14
Syrian, bgs lb. .21 Nom.
Sago flour, bgs lb. .07 - .07¼
Saligenin, ctns., works lb. 14.00 - 25.00
Salol, NF, gran., bbls., kgs lb. 1.00 - —
fib. dms lb. 1.02 - 1.03
powdered salol, 10c. higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 - 1.22
paper bgs., c.l. 100 lbs. .88 - —
l.c.l. 100 lbs. 1.09 - 1.12
Salt, table, vacuum, common, fine, bgs., works, c.l. 100 lbs. .98 - 1.08
l.c.l., bgs. dlvd. 100 lbs. 1.20 - 1.32
USP, dms lb. .21 - —
Saltcake, dom., bulk, dlvd. ton. 22.00 - 24.00

Convenient sales offices—ample local stocks the nation over

Specialized technical service

Strategically located plants

Whichever way you look at it...



Long experience ... accumulated knowledge

Quick delivery and shipping service

It pays to specify **SOLVAY**
TRADE MARK REG. U.S. PAT. OFF.

With today's costs of manufacturing so high, it's the wise chemical buyer who considers his purchases from every angle. Price and specification alone are no longer basis enough for a buying decision.

There is a good deal more a buyer can expect—speed of delivery, technical service, big-plant capacity to assure continued supply, knowledge of the industry and experience with its problems. On all these counts, more and more manufacturers agree, "it pays to specify Solvay."

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Nytron • Sodium Bicarbonate • Specialty Cleansers

Ammonium Bicarbonate • Sodium Nitrite • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Saltpeter—Tara Powder

Saltpeter cryst., bbls., 10 tons. 100 lbs. 13.90 - —
smaller lots 100 lbs. 14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 -11.00
powd., bbls., 20 tons 100 lbs. 10.25 - —
smaller lots 100 lbs. 11.50 -12.00
NF, gran., dms lb. .15¾- .17¾
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.

Sanguinarine nitrate, bots oz. 4.75 - 5.50

Santonin, NF, cryst., powd., cns kilo. 190.00 -200.00

Saponin No. 1, cns lb. 2.45 - —

Sarsaparilla root, dom., bls lb. .40 - .45
Honduras, bls. lb. .40 - .45
Mexican, bls lb. .24 - .30

Sassafras bark, ord., bls lb. .30 - .31
select, bls lb. .60 - .65

Savory, French, bls lb. .17 - .18
Spanish, bls lb. .14 - .14½

Saw palmetto berries, bgs. lb. .23 - .24

Scammony resin, lump, cns lb. 2.10 - 2.25
powd., cns lb. 2.20 - 2.30
Root, bgs lb. .11 - .13

Schaeffer's salt, bgs. lb .60 - .67

Scopolamine hydrobromide (see Hyoscine hydrobromide).

Seidlitz mixture, bbls., 5,000 lbs lb. .25¾- —
smaller lots lb. .26¼- —
dms., 100 lbs. or less lb. .27¼- .31¼

Selenium, powd., cns., 10-lb. lots lb. 2.10 - —
cs., 1,000-lb lots lb. 2.00 - —

Senega root, bls lb. 1.35 - 1.40

Senna leaf, Alex., half-leaf, bls lb. .22 - .24
sifting, bgs lb. .19 - .21
Tinnevelly, No. 1, bls lb. .17 - .24
No. 2, bls lb. .14 - .19
No. 3, bls lb. .11 - .14
Pods, bls lb. .12 - .15
powdered, bls., bxs. lb. .16 - .22

Serpentaria root, bls lb. 2.25 - 2.50

Sesame seed, Brazil, bgs., afloat lb. .16½- .17
Chinese, white, nat., bgs lb. .12 - .13
hulled, bgs lb. .19 - .20
Nicaragua, hulled lb. .25 - .26
Salvadorean lb. .13 - .13½
Turkish, yellow lb. .14½- .15

Shellac, bleached, conedry, bgs., 1,500-lb. lots lb. .61½- —
bbls., 1,500-lb. lots lb. .62 - —
kgs., 1,500-lb. lots lb. .64 - —
refined, bgs., 1,000-lb. lots lb. .71½- —
bbls., 1,500-lb. lots lb. .72 - —
kgs., 1,500-lb. lots lb. .74 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs lb. .66 - .67
No. 2, bgs lb. .64 - .65
Superfine, bgs., 10 bgs lb. .59 - .60
TN, bgs., 10 bgs lb. .56 - .57
Shellac in 1 to 9 bgs., 1c. more

Silica amorph., dry-grd., 325 mesh, bgs., c.l., lll. works ton. 20.00 -30.00
l.c.l., works ton. 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 - —
99½%, 140 mesh, bgs., c.l., works ton. 12.00 - —
l.c.l., works ton. 17.00 - —

Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb .18½- .20½

Silver bullion, ingots, cs oz. 71½- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .65⅜- —
1,000-oz. lots oz .65⅝- —
500-oz. lots oz. .65⅞- —
100-oz. lots oz. .66⅛- —

Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .45⅜- —
1,000-oz. lots oz. .46½- —
500-oz. lots oz. .47¼- —
250-oz. lots oz. .48 - —
USP granular silver nitrate, 2c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —

Simaruba bark, bls. lb .85 Nom.

Skullcap herb, Eastern, bls lb. .75 - .80
Western, bls lb. .30 - .35

Skunk cabbage root, bls lb. .35 - .40

Slate flour, bgs., c.l., works ton. 11.00 -12.00
l.c.l., ex whse ton. 20.00 -60.00

Sloe berries, bgs lb. .33 - .40

Smalt, black, ctns lb. .11 - —
Blue, ctns lb. .16 - —

Snakeroot, Canada, bls lb. .43 - .45

Soapbark, bls. lb. .17 - .18
crushed, bls., bbls lb. .20 - .21
cut, foreign, bbls lb. .21 - .22
powd., bbls. lb. .23 - .24

Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 2.00 - —
l.c.l., stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.25 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., stock points 100 lbs. 2.65 - 4.42
bbls., c.l., works 100 lbs. 1.90 - —
l.c.l., stock points 100 lbs. 3.15 - 4.92
bulk, c.l., works 100 lbs. 1.15 - —
Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.45 - —
l.c.l., stock points 100 lbs. 4.80 - 6.67
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.40 - 2.50
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 - —
solid, 76%, dms., c.l., works 100 lbs. 3.05 - —
l.c.l., stock points 100 lbs. 4.40 - 6.27
Sal, bgs., c.l., ex car 100 lbs. 1.55 - —
l.c.l., bgs., ex whse 100 lbs. 1.75 - —

Soda-lime, USP, dms lb. .23 - .25

Sodium acetate, anhyd., dms., works lb 10 - .11½
NF, cryst., bbls., works lb. 08 - .09

Alginate, refined, water soluble, bbls., works lb 79 - —
semi-refined, bbls., works lb 46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots lb 1 30 - 1.65

Alkylbenzene-sulphate, dms. wks., lb. .13 - —

Aluminate, 20,000 lbs., or more bgs 100 lbs. 8.50 - —
under 20,000 lbs., works 100 lbs. 9.50 - —

Antimoniate, bbls., c.l., dlvd. E. lb. .31 - —
l.c.l., dlvd lb .32 - —

Arsenate, dealers, dms., c.l., works, lb. .12 - —

Arsenite, dealers, dms., works lb. .13½- .14¼
solution, dms., works gal. .70 - 1.00
l.c.l., works lb. .11¾- .11⅞

Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
bbls., dms., 100 lbs. or more lb. .46 - —

Sodium bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., works 100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works 100 lbs. 2.60 - —

Bichromate, bgs., c.l., works lb. .10 - —
l.c.l., works lb. .10⅛- .10⅝
Sodium oichromate, in bbls., ¼c. higher.

Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .13½- —

Bisulphate, bulk, c.l., works 100 lbs. 1.75 - —
dms., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.90 - —

Bisulphite, powd., bbls., c.l., works 100 lbs. 3.75 - —
l.c.l., works 100 lbs. 4.00 - —
solut. 35°, bbls., c.l., works 100 lbs. 1.10 - —
l.c.l., works 100 lbs 1.50 - —

Borate (see Borax).

Bromide, USP, bbls., kgs., works lb. .33 - .34

Cacodylate, NF, bots., dms lb. 7.15 - 8.00

Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, dms lb. .05¾- .06½

Chlorate, cryst., dms., c.l., works. lb. .07½- —
l.c.l., works lb. .07¾- .08¼
powd., kgs., works. lb. .09 - —

Chloride (see Salt).

Chlorite, tech., dms., works lb. .75 - —

Chromate, bbls., dms., c.l., works. lb. .11⅝- —
l.c.l. lb. .21½- —

Citrate, USP VIII, bbls lb. .21½- —
dms. lb .22½ - .26½
USP XIII, gran., bbls lb. .28 - —
dms. lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.

Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 - —

Cyanide, 96-98%, dms lb. .16 - .18

Diacetate, 33-35% acidity, bbls., works lb. .11½- .12½
anhydrous, dms. works lb. .14 - .15

Fluoride, white, 98%, bbls., c.l., works lb. .10½- —
l.c.l., works lb. .10¾- —
95%, bbls., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —

Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 -21.00

tribasic, tons lb. 11.00 - —

Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —

Gluconate, dms. lb. .83 - .85

Glutamate, monobasic, kgs. lb. 1.54 - 1.56

Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys lb. 1.00 - 1.15
50%, cbys. lb 82 - —

Hydrosulphide (see Sodium, sulphydrate).

Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld lb. .21½- .22

Hydroxide, tech. (see Soda, caustic).

USP, pellets, dms lb .23 - —

Hypophosphnte, NF, 50-lb. lots, dms lb. .85 - .88

Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.50 - —
l.c.l., same basis 100 lbs. 3.90 - —
pea cryst., bgs., metro area 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.

USP (see Sodium thiosulphate).

Iodide, USP, dms., jars lb. 2.72 - 2.83

Lactate, edible, 50%, dms., c.l., works lb. .18 - —
l.c.l., dms., works lb. .18¾- —
tech., 50%, dms., c.l., works lb. .12½- .15
l.c.l., dms., works lb .13 - .15¾

Metaborate, octa-hyrate, gran., bgs., c.l., works ton. 73.00 - —
l.c.l., works ton. 118.00 -123.00
tetrahydrate, c.l., bbls., works. ton. 184.50 - —

Sodium metaborate in bbls., $20 per ton higher.

Metal, dms., works lb. .18½- —

Metanilate, bgs. lb. .57 - —

Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.25 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
l.c.l. 100 lbs. 4.35 - 4.60
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l. 100 lbs. 4.75 - 5.00

Molybdate, anhyd., works lb. .51½- .63

Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —

Naphthionate, bbls lb. .60 - .65

Nitrate, crude, dom., bgs., c.l., works ton. 48.50 - —
bulk, c.l., works lb. 45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac.whse ton. 54.50 - —
bulk, c.l., same basis ton. 51.00 - —

USP, dms lb. .21 - —

Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾- —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs 8.90 -11.00

Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10

hydrated, flake, bbls. c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75

Oxalate, neut., bgs., works lb. .09½- —

Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .21½- —
l.c.l., same basis lb. .22½- .24½
pellets, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis lb. .22 - .26
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - .24

Perborate, USP, tech., bbls., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —

Peroxide, dms., c.l., dlvd. E or Miss lb. .18 - —
l.c.l., same basis lb. .18½- .19

Phenolsulphonate, USP IX, gran., dms lb. .33 - .34
powd., dms. lb. .36 - .37

Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 6.75 - 7.00
l.c.l., works 100 lbs. 7.25 - 7.50
cryst., ngs., c.l. works. 100 lbs. 3.35 - 3.60
l.c.l., works 100 lbs. 3.75 - 4.00
USP, dried, powd., dms., works lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 10.00 - —
l.c.l., works 100 lbs. 12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls. 40c. higher than bgs.

USP (see Sodium phosphate dibasic)

Prussiate, yellow, bgs lb. .12¼- —

Sodium pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.00 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.90 - —
l.c.l., frt. equald 100 lbs. 7.40 - —

Ricinoleate, tech., bbls lb. No stocks.

Salicylate, USP, cms lb. .57 - .60

Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
bbls., c.l., works 100 lbs. 2.45 - —
l.c.l., bgs., dlvd. zone 1 100 lbs. 3.70 - 4.10
zone 2 100 lbs. 3.96 - 4.36
zone 3 100 lbs. 4.25 - 4.65
zone 4 100 lbs. 4.96 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 - 5.65

Silicate, 40°, turb'd., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works 100 lbs. 1.25 - 1.35
tanks works ton. 16.00 -17.00
52° turbid., dms., c.l., works 100 lbs. 1.80 - —
l.c.l., works 100 lbs. 2.05 - 2.15
tanks, works ton. 32.00 - —

Silicofluoride, bbls., c.l., works lb. .04 - —
l.c.l., works lb. .04½- —

Stannate, dms., works, frt. alld. E. lb. .58 - .633

Stearate, tech., bbls., works lb. .40 - —
USP, anhyd., bbls., works lb. .51 - .56

Sulphanilate, bbls., works lb. .22 - —

Sulphate, NF, VII, dried, gran., dms lb. .20 - .20½
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).

USP, cryst., gran., bbls lb. .15 - .15½

Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - —
l.c.l., same basis 100 lbs. 4.50 - 4.75

Sulphite, anhyd., tech., powd. bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works. 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 4.00 - —
bbls., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.40 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs 7.00 - —

Sulphocyanide, CP (see Sodium thiocyanate).

Sulphoricinoleate, bbls lb. .51 - .61

Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45%, basis 100%, tanks, works ton. 95.00 - —

Thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —

Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 - .12

Titanate, ctns., c.l., works lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .13½

Tripolyphosphate, bgs., c.l., works, 100 lbs. 7.25 - —
l.c.l. 100 lbs. 7.65 - —

Tungstate, tech., kgs., works lb. 1.20 - 1.25

Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —

Sodium-carboxymethylcellulose—See CMC.

Sodium-cinchophen, bots., dms., works lb. 5.00 - 5.10

Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .24 - .24½

Sodium-sulpha drugs (see Sulpha name).

Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20

Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —

Solvent naphtha, coaltar, tanks, works gal. .25 - .3235
high-flash, tanks, works gal. .25 - .3235
petroleum, 100°F. flash, tanks, Baytown, Tex gal. .25 - —
150°F. flash, tanks, same basis gal. .25 - —

Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼- —
ton lots, works lb. .24¼- —
less ton lots, works lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16½- —
ton lots, works lb. .17¾- —
less ton lots, works lb. .18½- —
tanks, works lb. .15¾- —

Soybean meal, 41% bulk, Decatur. ton. 74.00 -75.00
protein, chemically isolated, 40,000 lbs., works lb. .18 - —
20,000 lbs., works lb. .18¼- —
smaller lots, works lb. .18½- .22
mechanically refined, bgs., 40,000 lbs., works lb. .0575- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —

Sparteine sulphate, cns oz. 2.95 - —

Spikenard root, bls. lb. .40 - .45

Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —

Squaw vine, leaves, bls lb. .35 - .40

Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls lb. .08 - .10
powd., bbls., bxs lb. .14 - .18

St. Ignatius beans, bgs lb. No stocks.

St. John's bread, edible, bls lb. .17 - .18

Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —

Stannous chloride (see Tin chloride, stannous).

Starch, corn, pearl, paper bgs., c.l. Chicago 100 lbs. 5.29 - —
l.c.l. 100 lbs. 4.67 - —
powd., paper bgs., c.l. 100 lbs. 5.44 - —
Chicago 100 lbs. 5.40 - —
l.c.l. 100 lbs. 4.78 - —
Prices for corn starch in cotton bags, 17c. higher.

Potato, dom., bgs., c.l. lb. 0580- .0613
l.c.l. lb. .07 - .07¼
Rice, bgs lb. .10½- .10¾
Sweetpotato, bgs., c.l. No stocks.
Wheat, bgs. lb. .0608- .0615

Stavesacre seed, brs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07½- .08
Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .20 - .25
Seed, bgs lb. .20 - .21

Streptomycin, hospitals, vials gram. .80 - —
wholesalers, vials gram. .64 - —

Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls lb. .15½- .16⅛
Chloride, tech., bbls lb. .22 - .24
Chromate, bgs., frt. equald lb. .43½- .44
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton. 58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 - 2.85

Strophanthin, NF, bots oz. 39.00 - —

Strophanthus seed, Kombe, bgs lb. 2.50 - 3.00

Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 - —

Styrene, monomer, tanks, works lb. .15 - —

Styrolyl acetate, bots lb. 2.50 - 3.10

Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —

Sugar coloring (see Caramel coloring).

Sugar of milk (see Milk sugar).

Sulphabenzamide, dms., works lb. 4.25 - —

Sulphabenzamide sodium, dms., works lb. 4.25 - —

Sulphadiazin, USP, dms., works lb 10.25 -10.75

Sulphadiazin sodium, USP, dms., works lb. 11.25 -11.75

Sulphaguanidin, USP, dms., works. lb. 4.50 - 4.60

Sulphamerazin, USP, dms., works lb. 10.25 -10.75

Sulphamerazin, sodium, USP, dms., works lb. 11.25 -11.75

Sulphanilamide, USP, powd., bots., works lb. 1.30 - 1.45
Sulphanilamide, 20-60 mesh, 10c. higher.

Sulphanilamidoquinoxaline, veterinary, dms. lb. 20.00 - —

Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 - 7.30

Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 - 7.80

Sulphathiazole, USP, powd., dms., works lb. 3.50 - 3.65

Sulphathiazole-sodium, USP, dms., works lb. 3.50 - 3.65

Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract. long ton. 18.00 - —
vessel, f.o.b. Gulf ports, export. long ton. 22.00 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works. 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.25 - —
l.c.l., works 100 lbs. 3.60 - 3.95
Sulphur flowers in bbls. 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.25 - —
l.c.l. bgs. works 100 lbs. 2.60 - 2.95

Chloride, 55-gal. dms., c.l., works. lb. .03¼- —
l.c.l., works lb. .04¼- —
10-gal. dms., l.c.l., works lb. .03¼- —

Dioxide, liquid, com'l, cyls., works. lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd lb. .18 - —

Sumac bark, 28%, grd., bgs., ex dock ton. 48.00 -50.00

Extract, No. 1, bbls lb. .10½ - —
No. 2, bbls lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —

Leaf, 28% grd., bgs., ex-dock. ton. 53.00 - —

Superphosphate run-or-pile, under 22% a.p.a. pulv., bulk, Baito unit-ton. .76 .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla. unit-ton. .83 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls lb. 1.50 - 1.70

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton. 25.00 -35.00
Vermont, bgs., c.l., works ton. 14.00 - —
l.c.l., works ton. 17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton. 24.00 - —
l.c.l. ton. 26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton. 23.00 -28.00
l.c.l., works ton. 25.00 -32.00
imp., Canada, grd., bgs., c.l ton. 20.00 -45.00

Tallow, inedible, extra, loose, dlvd. lb. .05½- —
fancy, loose, dlvd lb. .05¾- —
special, loose, dlvd lb. .05 - —
sulphonated, 25%, dms lb. .07½- .08
50%, dms lb. .10 - .10¼

Tamarinds, bbls lb. .14 - .15

Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 9.00 - —
Chicago unit-ton. 10.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.

Tansy leaves, bls lb. .24 - .30

Tapioca flour, high grade, bgs lb. .10 - .10¼
medium grades, bgs lb. .08½- .09½
low, bgs lb. .07 - .07¼

Java, bgs lb. No stocks.

Tar acid oil, 15-18%, dms., c.l., works, frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28% dms., c.l., works gal. .46 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .63 - —
tanks, same basis gal. .52 - —

Tar coal (see Coaltar).
Pine (see Pinetar).

Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton. 225.00 Nom.

Petrolite

Crown Quality MICROCRYSTALLINE WAXES

are characterized by

HIGH MELTING POINTS
READY EMULSIFICATION
PURITY AND UNIFORMITY

New Refining Developments Have Reduced Taste to a Minimum

Crown Quality

200
500
700
1035
23
36

A quality wax offering substantial price savings where light coloration is not essential. High melting point.

A characteristically hard, high melting point, low oil content wax; useful in paste polishes.

A wax with a slightly higher melting point, greater hardness and without odor. Excellent as an additive to paraffin and amorphous type waxes to harden or raise melting points. A fine product for paper manufacturers.

Petrolite 1035 is the finest microcrystalline wax available. Its extremely high melting point of 195 to 200°F and penetration of 2 Maximum make it a unique product. This wax is widely used in many of the finest paste and emulsion polishes.

The Petrolite EMULSIFIABLE WAXES differ from the above waxes principally in the fact that they are saponifiable. Essentially they possess the same glossiness, hardness and high melting points.

Having appreciable acid and saponification values, they emulsify readily when combined with the common emulsifying agents. These waxes are very useful in the no rubbing polish field.

Crown Quality	Melting Point °F	Pen. With 100 Grams	Color N.P.A.
200	185/190	10 Max.	Brown
500	185/190	10 Max.	2½ Max.
700	190/195	5 Max.	2 to 2½
1035	195/200	2 Max.	2 to 2½

ADVISORY SERVICE

Petrolite technicians and laboratory facilities are available on any problem involving special applications of Petrolite Waxes. Samples and details are yours for the asking. Just write or call.

SPECIFICATIONS

Crown Quality	Melting Point °F	Pen. With 100 Grams	Color N.P.A.	Acid Number	Sap. Number
23	180/185	6 Max.	4½ to 6	20 to 25	55 to 65
36	180/185	8 Max.	5½ to 8	30 to 35	85 to 95

QUANTITY SHIPMENTS IMMEDIATELY AVAILABLE

PETROLITE *Crown Quality* WAX

PETROLITE CORPORATION, LTD • WAX DIVISION

30 BROAD STREET, NEW YORK 4, NEW YORK REFINERY: BOX 390, KILGORE, TEXAS

PWL 49-3

Tarragon Herb—Vanilla Beans

Tarragon herb, bgs. lb. .45 - .50
Leaves, bgs lb. .85 - .95
Tartar emetic, tech., gran., or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .35 - .60
Terp'nglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpanyl acetate, extra, dms. lb. .60 - 1.03
prime, cns., dms lb. .95 - .95
Terra alba (see Gypsum).
Testerone propionate, USP, 100 gms. gm. 5.25 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works. lb. .70 - —
Pyrophosphate, cns., dms., works. lb. .65 - .70
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb. 15.00 - 17.50
Theobromine, bots., kgs lb. 5.25 - —
Salicylate, fib. dms lb. 5.00 - 5.25
with sodium acetate, USP, fib. dms lb. 4.00 - 4.45
Sodio-Salicylate, fib. dms lb. 3.15 - 3.50
Theophylline, USP, bots., kgs lb. 6.00 - 6.15
Thiamine hydrochloride, USP, dms., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms lb. .34 - .35
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 - 6.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .16½- .17
Spanish, bls lb. .09 - .09½
Thymol, USP, kgs lb. 3.65 - 3.75
Iodide, NF, dms. lb. 6.00 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms lb. .98 - .99
Crystals, hydrous, bgs., cns., works lb. .71½- —
Metal, Bolivian lb. 1.03 - —
Straits lb. 1.03 - —
Oxide, bbls. lb. 1.01 - 1.02
Sulphate, stannous, bbls., kgs., works lb. .98 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
Titanium dioxide, rutile, natural, granular, bgs., c.l., works. lb. .05 - —
5-ton lots, works lb. .05¼- —
milled, bgs., c.l., works lb. .05¼- —
5-ton lots, works lb. .05½- —
nonchalking, bgs., c.l., dlvd. E. lb. .21½- —
l.c.l., dlvd. E lb. .22 - .22½
Hydride, cns., works lb. 7.00 - 8.00
Pigment, calcium-rutile base, bgs., c.l., dlvd lb. .07½- .07¾
l.c.l., dlvd lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast c.l., dlvd., l.c.l., ex whse. ½c. higher
Tetrachloride, CP, 53-gal. dms lb. .54½- .55
smaller, pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. .40 - 1.00
Tolu balsam, cns., dms lb. 2.35 - 2.80
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .21½- —
Birmingham, Ala gal. .20¼- —
Chicago district gal. .23½- —
Cleveland district gal. .23 - —
Dangerfield, Tex gal. .23½- —
Geneva, Utah gal. .19 - —
Hamilton, Ohio gal. .22 - —
Johnstown, Pa gal. .20 - —
Lackawanna, N. Y. gal. .23 - —
Philadelphia, Pa gal. .24 - —
Pittsburgh district gal. .20 - —
Sparrow's Point, Md gal. .21½- —
St. Louis, Mo gal. .25 - —
Syracuse, N. Y. gal. .20½- —
Terre Haute, Ind gal. .24½- —
Woodward, Ala gal. .20¼- —
Wyandotte, Mich gal. .23 - —
Youngstown, Ohio gal. .20½- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½- —
Wood River, Ill. gal. .25 - —
Tonga, 50% bark and vine, bls. lb. 80 - .95
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, cs. lb. .85 - .90
Surinam, cs. lb. .85 - .90
Toxaphene, dms., works, c.l. lb. .24 - —
truckloads, works lb. .24 - —
ton to truckloads, works lb. .27 - —
less than tons, works lb. .30 - —
Totaquine, USP, 100-oz. lots oz. .52 - —
Triacetin, dms., works lb. .38½- .43
Tributyl citrate, dms. lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld lb. .56½- —
l.c.l. lb. .57½- —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½- —
Trichloroethane, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10½- —
Zone 2 lb. .11 - —
Zone 3 lb. .11½- —
Zone 4 lb. .11 - —
Trichloroethylene, dm., c.l., prices ½c. higher, l.c.l. 1¼c. higher, Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - .38
l.c.l., dlvd lb. .35½- .38½
tanks, dlvd lb. .34 - .37
petroleum, dms., c.l., dlvd lb. .38 - —
l.c.l., dlvd lb. .38½- —
tanks, dlvd lb. .36½- .37
Triethanolamine, dms., c.l., frt. alld. E lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½- —
Triethyl citrate, dms lb. .34 .38
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l. lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½- —
tanks, works, basis 100% lb. .33 - —
Trimethylhexanol, dms., c.l., works. lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works. lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane, dextro-laevo, fib. ctns., works kilo. 207.00 - 242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bls lb. .35 Nom.
Haitian, bgs lb. .12 - .13
Jamaica, bgs lb. .14 - .15
Madras, bgs lb. .29 - .30
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East gal. .48 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - .53
l.c.l., same basis gal. .41 - .55
N. Y. whse gal. .55 - —
steam-dist., dms., incl., c.l., works gal. .58 - —
l.c.l., ex whse., NYC gal. .64 - —
tanks, works gal. .52 - —
Tyrothricin, bots. gram 1.15 - 1.25

U

Urethane, USP, dms lb. 1.75 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs. lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb .04½- —
l.c.l., works lb. .05 - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
46% N, bulk, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 103.00 - —
paper bgs., c.l., 30 tons, frt. alld., Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 96.00 - —
40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 107.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va ton. 125.00 - —
C and D grades, same basis, ton. 123.50 - —
37 grade, same basis ton. 147.50 - —
Uva ursi leaves, bls lb. .11 - .12

V

Valerian root, Belgian, NF, bls lb. .37 - .42
Indian, bls. lb. .32 - .34
Valine, dextro-laevo, dms., works lb. 22.50 - 27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton. 90.00 Nom.
Extract, powd., bgs., ex dock, duty extra lb. .14½ Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 3.00 - 3.75
Mexican, cuts, tins lb. 3.50 - 3.75
whole, tins lb. 3.65 - 4.50

Zinc Chloride

FOR USE IN—Preserving wood; Finishing paper and textiles; Flameproofing and dyeing textiles; Galvanizing; Manufacturing vulcanized fibre, batteries and glue.

Zinc Sulphate

FOR USE IN—Fertilizers and orchard sprays; dyeing and printing textiles; Electro plating; Electro galvanizing; making rayon, paint, varnish, glue.

At Wheatland, Pa., Maneely Chemical Company has one of the most efficient, modernly equipped chemical plants in the country.

Glass lined vats and equipment and a new process combine to give a new high in uniformity, purity and quality.

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Maneely CHEMICAL COMPANY

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Plant, Wheatland, Pa.

Vanillin, ex eugenol, tins, 25 lbs. lb. 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs. lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½ - .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane)
Ether (see Ether, divinyl).
Vinylpyridin, ref. dms., works lb. 1.50 - —
Viosterol, bots., 10 billion USP units, mill. units .025 - —
1 billion USP units mill. units .03 - —
less than 1 billion USP units, mill. units .035 - —
Vitamin A, natural, acetate, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm 1,000,000 units .40 - —
400,000 to 750,00 A units per gm., same basis 1,000,000 units .42 - —
750,000 to 1,000,000 A units per gm., same basis 1,000,000 units .45 - —
A, natural, alcohol, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm 1,000,000 units .39 - —
400,000 to 750,000 A units per gm., same basis 1,000,000 units .41 - —
A, natural, alcohol, bots., cns., dms., lots of 750,000 to 1,000,000 A units per gm., same basis 1,000,000 units .44 - —
A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units per gm 1,000,000 units .48 - —
A, synthetic, palmitate, 800,000 A units per gm 1,000,000 units .50 - —
Vitamins, A concentrate (see Oil, fishliver).
B, (see Thiamine hydrochloride).
B (see Riboflavin)
B complex, natural (see Rice bran and Yeast).
Vitamin B, (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol)
D2 (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls lb. 1.75 - 1.80
Tree bark, bls lb. .55 - .75
Wattle bark, fair average, ex Afr., bgs., ex dock ton. 83.00 - —
merchantable, bgs., ex dock ton. 80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08½ - —
tanks, works lb. .08 - —
solid, E Afr., 61% tannin, ex dock, duty extra lb. .09½ - .09¼
S. Afr. 62% tannin, ex dock, duty extra lb. .09½ - .09¼
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs lb. No stocks.
Bees, bleached, USP, white, bricks, cs. lb. .64 - .65
slabs, bgs. lb. .63 - .64
crude, African, bgs lb. .45 - .47
western hemisphere, bgs. lb. .48 - .49
refined, yellow, bricks, cs. lb. .56 - .57
slabs, bgs lb. .55 - .56
Candelilla, crude lb. .45 - .46
refined, bgs lb. .48 - .50
Powdered candelilla, 20 mesh, 5c. per lb extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots lb. .76 - .77
North Country, No. 2, ton lots lb. .84 - .85
No. 3, crude, bgs., ton lots lb. .81 - .83
refined, bgs., ton lots lb. .85 - .86
yellow, No. 1, bgs., ton lots lb. 1.10 - 1.12
No. 2 lb. 1.08 - 1.10
Powdered carnauba price same as powdered candelilla. differentials
Ceresin, dms., 132°-136° m.p., bgs. lb. .12½ - .13
138°-140° m.p., bgs lb. .14½ - .15
150°-160° m.p., bgs lb. .17 - .17½
Japan, bgs lb. .75 - .77
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
Black, ctns., 20,000 lbs., same basis lb. .12½ - —
Less than 20,000 lbs., same basis lb. .13½ - —
White, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
Black, ctns., 20,000 lbs., same basis lb. .14½ - —
Less than 20,000 lbs., same basis lb. .15½ - —
White, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .30½ - —
Less than 20,000 lbs., same basis lb. .21½ - —
Black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
White, ctns., 20,000 lbs., same basis lb. .33½ - —
Less than 20,000 lbs., same basis lb. .34½ - —
Montan, crude, dom., bgs lb. .31 - .32
Bohemian, bgs lb. .23 - .23½
German, bgs lb. .27 - .29
Ouricury, refined, bgs., ton lots, lb. .74 - .75
Ozokerite, fabricated, black, 150-190 m.p., bgs lb. .31 - —
122-133 m.p., bgs lb. .29 - —
171-172 m.p., bgs lb. .27 - —
white, 173-185 m.p., bgs lb. .26 - .27
170-172 m.p., bgs lb. .22 - .23
yellow, 180-190 m.p., bgs lb. .25 - .26
122-133 m.p., bgs lb. .20 - .21
178-183 m.p., bgs lb. .21 - .21½
170-172 m.p., bgs lb. .18 - .19
Spermaceti, blocks, cs. lb. .32 - .33
cake, cs. lb. .33 - .34
White lead (see Lead, white).
White pine bark, ground, bls lb. .16 - .20
White precipitate, USP, powd., dms., 50 lbs. lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons St. Louis, works ton. 11.00 - —
40 tons, N. Y. whse ton. 19.00 - —
smaller lots, St. Louis, works ton. 13.50 - —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l ton. 14.50 -27.50
200 mesh, bgs., c.l tons. No prices
90% 200 mesh, bgs., c.l ton No prices.
water-floated, extra gilders, bgs., c.l ton. 14.50 - —
gilders, bgs., c.l ton. No prices.
putty grade, bgs., c.l ton. 13.00 - —
surface treated, bgs., c.l., Ohio works ton. 30.00 - —
Paris white, bgs., c.l. ton. 25.00 -31.00
l.c.l. ton. 25.00 -29.00
Precipitated, bgs., c.l ton. 18.00 -20.00
l.c.l. ton. 22.00 -25.00
Wild cherry bark, thick, natural, bls lb. .06 .07
rossed, bls lb. No prices.
thin, natural, bls lb. .15 - .16
rossed, bls lb. .17 - .18
Wild indigo root, bls lb. .30 - .31
Wild yam root, bls lb. .16 - .17
Witch hazel leaves, bls lb. .14 - .16
Woodflour, 40 mesh, bulk, c.l., works, East ton. 32.00 - —
l.c.l., same basis ton. 40.00 - —
60 mesh, bulk, c.l., same basis. ton. 37.00 - —
l.c.l., same basis ton. 45.00 - —
80-100 mesh, bulk, c.l., same basis. ton. 40.00 -45.00
l.c.l., same basis ton. 50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs lb. .15 .16
Levant, bgs lb. 4.15 - 4.25
Wormwood, leaves, bls lb. .40 .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ref. dms., c.l., works, frt. equald lb. .21¾ - —
l.c.l., same basis lb. .22¼ - —
tanks, same basis lb. .21 - —
45°, dms., l.c.l., frt. equald lb. .24 - —
fractions, over 7° C. dms., c.l., same basis gal. .91 - 1.16
l.c.l., same basis gal. .94 - 1.19
tanks, same basis gal. .80 - 1.05
Meta fraction, over 7° C, dms., c.l., same basis gal. .96 - 1.16
l.c.l., same basis gal. .99 - 1.19
tanks, same basis gal. .85 - 1.05
Xylidins, mixed, dms lb. .45 .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala gal. .23½ - —
Chicago district gal. .26½ - —
Cleveland district gal. .28 - —
Dangerfield, Tex. gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa gal. .24 - —
Lackawanna, N. Y. gal. .24 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md. gal. .26 - —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y. gal. .23½ - —
Terre Haute, Ind gal. .26 - —
Woodward, Ala. gal. .23¼ - —
Wyandotte, Mich gal. .27 - —
Youngstown, Ohio gal. .23½ .25
Petroleum, industrial, 10°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —

Vanillin—Yellow Cadmium Lithopone

Chicago, flt. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va. gal. .25½ - —
Wood River, Ill. gal. .27 - —

Y

Yara, yara, cns lb. 2.00 - 2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms lb. .44 .46
90 B units, per gram, 100 lb. dms lb. .49 .51
200 B units, per gram, 100 lb. dms lb. .53 .55
300 B units, per gram, 100 lb. dms lb. .57 .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis St. Paul lb. .32 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below
Benzidin, bbls., dlvd lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. .95 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher

—Continued on page 58

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VITAMIN E

(dl-alpha-TOCOPHEROL)

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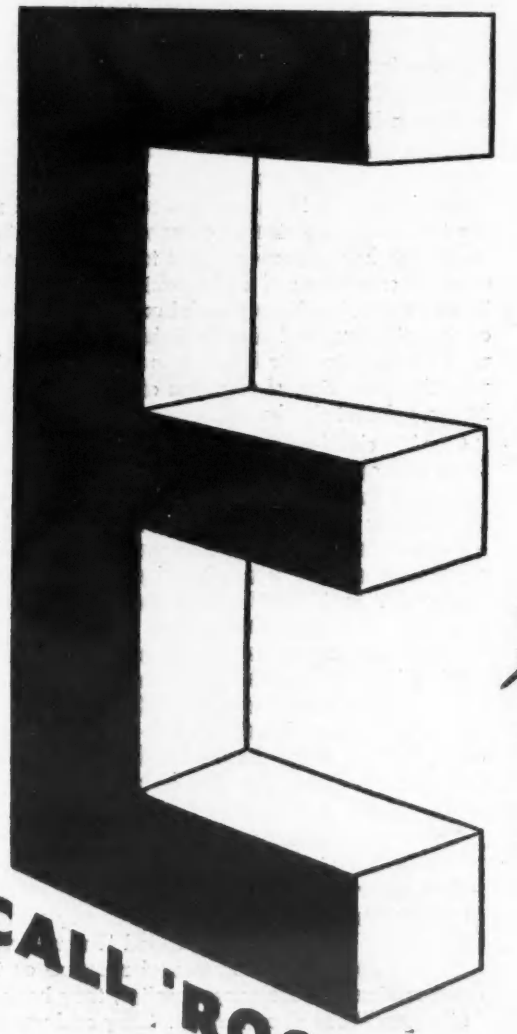

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Prescription for Economic Ills

President Truman's prescription for the economic ills —existent and imminent—of the nation follows closely the pattern of the politicomic panacea that has been popular for some time. It puts security above soundness. It would substitute deficit financing for determined effort with respect to economies in governmental functioning. It persists in the popular error that production is the prime influence of economic stability, even though it be achieved through the loss of profits. Much more than a congressional enactment would be necessary to convert the profit motive into a production motive in such a manner that everybody will continue to profit except the producer. That is what the presidential scheme actually would attempt to contrive.

There are other ingredients in the economic health remedy. One of these is a saccharated derivative of those immeasureably beneficial placebos of prewar days popularly known as PWA and WPA. It would run to $3,000,000,000 a year from 1950 to 1952. One of its objectives, "coupled with private construction," would be to "maintain the construction industry at a high level of activity . . . if the business downturn should become serious." Anybody who can make the two ends of that involved idea meet will please step forward and get busy—before it gets into operation.

Politicomics is a cyclic science—it runs around in circles, very small circles, never approaching a radius of national extent. So, it is not strange that the new program is new in time alone—with one exception: it does propose repeal of the excise tax on the transportation of goods. Some may say that it is new and different in aiming at a "broad study of investment and development needs and market opportunities in an expanding economy." But, first, where is the expanding economy except in the program's promise: — "We can achieve within a few years a national output well above $300,000,000,000, valued at current prices"? Certainly the program, or prescription, presents no potentialities of economic expansion. Secondly, how many business studies thus solemnly pronounced have ever got beyond the kindergarten stage? There is for example, that often adduced scientific study of taxation processes, which has not yet even got started.

The economic health of the nation is a function of business. Farm price supports, expanded security funding and doling. increased minimum wage—no such schemes are fundamentally healthful, unless they derive from sound business sources. Living off government may be high in standard; but, it certainly is low in principle. Since business has to provide the money to pay for everything, it must finance that easy living. It is time that it demanded a full quid pro quo, the termination of parasitical privileges for all who can work.

Business Must Be Sold

It is not difficult to understand the perplexities and gropings of politicians in their attempts to cope with problems of commercial economy if one take thought of the extent to which business leaders fall short of definite understanding of what is wrong and differ with reference to what should be done about it. They cannot even agree on whether the sagging of business is a productive or a distributive fault. Those who believe that the remedy lies in the improvement of distribution cannot agree on whether promotive spending or price-cutting should be the means of improvement; they differ widely on whether the public wants lower prices or better values.

One of the basic reasons for the uncertainty of business views on what is wrong and what to do about it, on what is coming and how to avert it is the blind acceptance of descriptive terms. One of the most detrimental of such conditions is that which has to do with the ancient classification of markets as "buyers'" or "sellers'." In these days, when demand is 90 percent created by sales promotion, there is no such thing as a buyers' market. Almost everything is sold; very little is bought—in the simple sense of the terms.

What is popularly known as a sellers' market actually is a suppliers' market; there is no need for any selling. What is popularly known as a buyers' market is, as was pointed out here some months ago, actually a sellers' market—the supplier must have something to sell and must know how to sell it. Some make the distinction by calling the first-mentioned condition a sellers' market and designating the second as a salesman's market. Even that recognition of the unaptness of the term, "buyers' market," is encouraging for those who know that business must sell itself into prosperity; that nobody is going to buy that condition for it.

Excises Are Inequitable

Nobody, not even the participants, can keep track of the seesawing contest of the President and Congress in the areas of Federal taxation. Each side makes a declaration every now and then; but, nobody can be certain that what is said is meant, or, if it is, how long it will be.

Congress appears to have made its point that there should be no additional Federal burdening of taxpayers in the ensuing fiscal year. At least, the President has backed water so far as to the undertaking of any "major increase in taxes . . . at this time." Whether "this time" means even as much as the present congressional session nobody can say. But, he still asks for increases in estate and gift taxes, and a member of the committee on ways and means has introduced a bill to dig up $600,000,000 more from individual income taxes.

There is about as much that can be examined for understanding in connection with what may be done to take a little from the Federal tax burden. It is not possible to say even whether any and all reducing will depend on the cutting of governmental spending. As things stand, the President has recommended repeal of the tax on transportation of goods; the senate finance committee has approved a bill ta make cuts of various sizes in a number of other excise levies, or so-called 'luxury taxes," including such luxuries as transportation, communication, and electric light bulbs. This measure would restore to their 1942 levels almost all excise levies with the exception of those on alcoholic beverages, tobacco, cabaret checks, and apparently, gasoline.

One big cloud on the horizon, or rock in the road, with respect to even such limited reducing of the Federal tax burden is that it must get through as a rider on a house bill relating relatively unimportantly to the alcohol tax —the senate cannot originate revenue legislation. Another slim chance which has been mentioned for the excise cutting is that it could be tied onto the bill to eradicate the inequitable tax on margarin. That measure was approved by the house a long time ago, but has been on a back shelf in the senate. All attempts to get somebody to bring that bill before the senate for action have been brushed aside as negligible in these days of big things. As the brush-offs have come from dairyland senators, the size of big things need not be large.

There may be excuses for excise taxes in times of imperative financial need on the part of the government —for war or other emergencies. But, they have no place in the theoretical equities of democracy under normal conditions. Whether the so-called "luxury taxes" were levied to increase governmental revenue or to reduce consumption of necessary supplies, they have no place in the conditions of peacetime. They add unnecessarily, as well as burdensomely, to the cost of living. They are a subtle means of enforcing puritanical ideas of what a citizen should do with his means. They are a despicable means of applying obnoxious reforms. Excise levies, whether applying to transportation, jewelry, alcoholic beverages, telephoning, theater tickets, tobacco, toilet preparations, or oleomargarin, are inequitable; they do not apply to everyone according to his means. That is reason enough that they be eradicated.

Washington Talks

—Continued from page 5

rigid conduit decision, is tantamount to a conspiracy.

"There is, however, a way of getting around this difficulty. Equip all your salesmen with earmuffs. When the purchasing agent says, 'Why, you poor so-and-so, Glutz is selling his—,' then have your salesmen flop the earmuffs down over his ears and he'll be able to come back to you, clean, pure, and innocent in the eyes of government, for he won't know your competitors' prices.

"Then, after he has made the rounds of his sales territory, he'll be able to say in all candor and honesty: 'Boss, the customers you used to have were certainly a nice crowd of fellows. Maybe I didn't get any orders but, believe me, I sure fixed it so the Federal Trade Commission can't sue you."

War-Loss Compensation Balked

President Truman on July 11 vetoed house bill 834 which would have authorized the payment of fair compensation to persons contracting to deliver certain strategic or critical minerals and metals during the war in cases of failure to recover reasonable costs. He noted that the bill would compensate the mining industry for virtually all losses sustained during the war in connection with mining, or attempting to mine, strategic or critical metals and minerals.

"The principle that the government should compensate war contractors, and volunteers acting without contracts, for losses sustained by them in activities related to the war has not generally been accepted," Mr. Truman stated. "The implications of this principle are profound, both with respect to our finances and with respect to our free enterprise system, and should be carefully considered before this principle is accepted. In my opinion it would be a serious error to introduce at this time a new principle—insurance against war-caused losses. To introduce this principle in the case of a single industry would not only give effect to an unsound principle and establish an unfortunate precedent but it would give rise to an unjustifiable discrimination."

Antitrust Laws Study

The long-awaited congressional study of the antitrust laws is getting underway this week before the house judiciary committee. Attorney General Tom Clark has been called as the first witness and, later, other top officials of government having to do with the laws and need for revision will be heard.

General purpose of the study is to review the various antitrust statutes and their relationships to each other, with the aim of drafting legislative proposals. Such proposals, unlikely to be forthcoming until the next session of Congress, may be in the form of a general overhauling and codification of the Sherman and Clayton acts and related statutes. At least business interests hope this will be the case.

Particular attention will be given by the committee to the various so-called "exemption" statutes, especially the Miller-Tydings fair trade law, the Reed-Bulwinkle and Webb-Pomerene acts, and the insurance "moratorium." It also is likely that the Robinson-Patman act will come in for scrutiny, that statute having been criticized by the President's Council of Economic Advisers in its annual report last year.

European Recovery Weaknesses

The overall trade volume of Western Europe is being sustained at high levels, industrial production continues to expand, and the threat of inflation seems to have eased, but the ECA is finding that weaknesses in the pattern of economic development are coming to the fore.

Intra-ERP trade, which is considered imperative to the economic recovery of Western Europe, has lagged behind the postwar expansion of total trade. Excluding Western Germany's depressed trade, the total export volume in the first quarter was 110 percent of prewar while exports among participating countries was only 105 percent of prewar. Problems of markets, trade, prices and distribution are taking the place of those of production, allocation and rationing.

On the bright side of the picture, ECA found that industrial output during the first 1949 quarter was 113 percent of prewar, or some 14 percent greater than the corresponding quarter a year ago, and a further increase is indicated for the second quarter. Steel, which sets the pace for production expansion, rose above the prewar average for the first time in the opening quarter; coal output increased 10 percent; textile output was up 15 percent and rayon production 35 percent.

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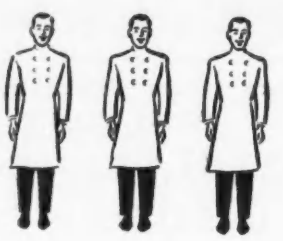

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Heavy Chemicals

Copper and lead scored price advances last week. Increased consuming demand was the primary propelling factor back of the upward movement. While heavy chemicals based with these metals have not responded to the advances to date, the markets have assumed a firmer position. It was stated that producers of both copper and lead chemicals are still carrying inventories made from lower priced metals. The upturn in the trend of these two big basic metals has stimulated interest in the affiliated chemicals and prospects looked favorable for an expansion in sales. Copper sulphate is now moving on a firmer background but the prolonged drought has been a serious barrier to the agricultural movement and has dimmed the outlook for shipments reaching normal dimensions this season.

In general, a slight pick-up in the volume of sales was noted last week. Among the active chemicals were calcium chloride, the chlorates, chlorine, methyl chloride and other refrigeration chemicals. It was apparent that consumer inventories of calcium chloride had been reduced and the hot dry Summer weather with its accompanying humidity has brought out a better demand for road-dusting and air-drying. Potassium potash has been moving well to the match factories and a steady miscellaneous inquiry has developed for sodium chlorate. Chlorine is feeling the full impact of the hot weather demand and stocks have tightened appreciably. The refrigeration chemicals are also finding a satisfactory seasonal outlet. There was no important change in the market situation in caustic soda or soda ash. The steady demand for chlorine has kept production of electrolytic caustic soda up although the lime-soda process output is down. Soda ash production has been adjusted to meet a lower demand but there was no shortage in the supply of either ash or caustic last week. The acid market continued in free supply for practically every description.

Paper production based on a percentage of six-day capacity was 45.2 percent for the week ending July 8, according to the American Pulp and Paper Association. This compared with 79.7 in the preceding week, and 62.3 for the corresponding week in 1948.

Export figures appearing below are from the Department of Commerce.

Alumina Sulphate — Buying interest from the paper mills and other industrial consumers has not been of a character to crowd production. The market supply is fully adequate to meet the current extent of consuming demand. Exports for the first quarter of 1949 were 8,289,000 pounds, against 8,817,000 for the same time in 1948.

Ammonium Bicarbonate—Sales have shown a slight pickup since the turn of the month with the cracker bakeries the principal buyers. Stocks have met requirements readily.

Arsenic—No unusual activity since the turn of the month from either the insecticide or glass industries. Stocks have continued available for immediate shipment. March imports of white arsenic were 1,141,000 pounds and were high for any of the first three months of 1949. Total receipts for the first quarter amounted to 2,663,000 pounds of which 2,543,000 came from Mexico and the remainder from Canada. During the same period in 1948, total imports were 7,587,000 pounds.

Bleaching Powder—Supply meeting demand for home and export requirements promptly. Total exports for the first quarter of 1949 were 960,000 pounds, compared with 1,865,000 for a like period a year ago.

Calcium Chloride—Demand has shown improvement for this material with state and county municipalities the principal buyers. It was stated that the prolonged drought and humidity have occasioned increased sales for both road dusting and air drying. The refrigeration inquiry is said to be about normal. The influx of buying orders suggests that inventories carried over from last Winter are exhausted. Stocks do not appear to be overplentiful at present with some producers slightly behind on shipments. Exports for the first quarter were up to 15,087,000 pounds, compared with 4,027,000 for the same period last year.

Carbon Tetrachloride—Not scarce at the present time with small lots commanding the most attention. Export shipments for the first quarter were slightly below those of a year ago. The totals were 1,306,000 pounds and 1,368,000 for 1949 and 1948, respectively.

Chlorine—Aside from a well stabilized industrial demand, the market is now feeling the full impact of a seasonal increase in inquiry for use in treatment of potable water, swimming pools, bathing beaches, sewage and to remove algae from feedwater. This increased demand has tightened the supply situation and shipments are running slightly behind schedule in some instances. The export movement during the first quarter showed improvement with shipments of 12,300,000 pounds, against 5,420,000 in 1948.

Copper Sulphate—Activity slow with the agricultural movement running under that of a year ago as a result of serious damage to eastern truck crops occasioned by the unusual drought over the past six weeks. The take for Maine has been satisfactory as rains have favored the potato crop in Aroostook and adjacent counties. Fair shipments have also been made to Northern New York but in other areas, sales have dropped appreciably. Industrial demand is no better than fair. Export demand has remained quiet. March exports amounted to 10,955,000 pounds and were high for the first quarter. The only shipments of any size outside the western hemisphere was 1,667,000 pounds to Algeria. Total shipments over the first quarter were 17,222,000 pounds, compared with 19,045,000 for the same period in 1948, when 3,594,000 pounds were shipped to Austria. The market closed firm, the advance in copper metal contributing strength to the copper sulphate position.

Lead Acetate—Prices have not responded to the advance in lead to date and it is assumed that producers have inventories on hand made from the metal when it sold at lower prices. The same situation prevailed in lead nitrate.

Nickel Carbonate—Sales representing actual requirements were about the best that could be noted in this market. Production has continued ample to meet present consuming wants.

Nickel Sulphate—Although one of the producers has output under contract through August, platers are not finding supplies a problem. Prompt shipments have continued readily available.

Phosphorus—French government has suspended import duty (ex 354 B) on phosphorus manufactures for insulating purposes with a base of magnesium carbonate or other materials, not specified or included elsewhere.

Potash, Caustic—Demand has remained slow for dry and liquid forms so far this month. There is no shortage of stocks in sight at present. Exports for the first quarter of 1949 were 2,043,000 pounds, compared with 6,355,000 for the same time in 1948.

Potassium Carbonate—Not much punch to the buying movement at present. The principal demand is from the glass specialty trade but even that has shown a tendency to slow down. Demand for liquid from the textile mills is said to be exceedingly quiet.

Potassium Chlorate—Match factories have continued to purchase this chemical and production has been well sold for prompt shipment. Supplies are meeting requirements at former price levels. Perchlorate has remained quiet with prices unchanged.

Potassium Cyanide — Suppliers name 52½c. per pound for 500 pounds and over and 55c. for 100 to 400 pounds. Limited stocks are having a steadying influence on the market. There were no imports listed during the first quarter of 1949.

Soda Ash — Consuming interest has shown no significant improvement so far

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Copper, electrolytic, ⅝c. per lb.
Lead, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
222.4	222.4	222.4	214.0

Acids

Last week	Prev. week	Last month	Last year
122.0	122.0	122.0	122.1

(For Current Prices see Page 9)

this month while stocks of both light and dense ash have continued adequate to meet requirements. The market has held steady for carlot shipments with no indications at this time of a change in the price structure. Exports for the first quarter were 54,224,000 pounds, compared with 98,876,000 for the corresponding period in 1948.

Soda, Caustic — Producers generally have continued long of this material and are not experiencing any unusual call for shipments. Production by the lime-soda process has been cutback but the steady demand for chlorine has kept electrolytic output well sustained. Exports over the first quarter amounted to 143,471,000 pounds, compared with 96,406,000 for the same period a year ago.

Sodium Silicate—Market position steady with prices unchanged and demand fair for home and export account. Export shipments over the first quarter of 1949 amounted to 8,536,000 pounds, compared with 12,520,000 for the same period in 1948.

Zinc Sulphate—Shipments at present are confined almost entirely to contract consumers. Demand for agriculture has shown more than a seasonal slowing down, inquiry being seriously curtailed by the prolonged dry spell. Stocks are adequate to meet all requirements and no change in prices has taken place.

Acids

Acetic—No significant increase in demand could be noted for glacial so far this month. Supply situation has remained favorable for immediate shipment. March exports of acetic acid were 208,000 pounds, against 443,000 for the same month in 1948. Total exports for the first quarter of 1949 were 557,000 pounds, compared with 1,610,000 for the corresponding period in 1948.

Chromic—Relatively quiet with sufficient stocks to meet home and export requirements of platers. Exports for the first quarter were 496,000 pounds, compared with 483,000 for the same quarter a year ago.

Muriatic — Buying interest moderate with consumers showing little interest in purchasing beyond the limit of current wants. Exports for the first quarter were 2,158,000 pounds, against 1,130,000 for the same period in 1948.

Nitric—Consuming demand only fair with sales mostly for current wants. The export total for the first quarter registered 240,000 pounds against 649,000 for the corresponding period in 1948.

Oxalic—Stocks not too flush but meeting consumer wants readily. Small lot sales predominated during the past week with producers adhering to former price levels.

Sulphuric—Buyers in this area have not found supplies much of a problem since the turn of the month. Exports during the first three months of 1949 were 2,574,000 pounds, compared with 3,852,000 for the same period a year ago.

Non-Ferrous Metals

Aluminum—Domestic production of primary aluminum in April totaled 54,076 short tons, according to the Bureau of Mines. Although output decreased slightly over 1 percent from March because of the shorter month, average daily production in April was at the highest level since August 1944, at 54,076 tons. Month-end inventories of primary aluminum at reduction plants were virtually unchanged from the preceding month. A large producer resumed operations of the idle potline at plants in Arkansas, and began pouring about the middle of the month. The quoted prices of primary pig and ingot remained unchanged.

Copper — Priced higher at 17⅝c. per pound for electrolytic. Buying interest has increased and the market displayed a firm tone at the close of the week. The Copper Institute in its report for June showed that while domestic production was cutback sharply stocks increased substantially. Deliveries to customers in June totaled 45,653 short tons, compared with 32,566 for May, a low for many years. Average daily deliveries for June of 1,522 tons compared with an average of 2,538 daily over the first half of 1949 and 3,673 daily during 1948.

Primary copper production for June was reported at 63,321 tons, a daily average of 2,111, compared with 2,281 tons a day in the preceding month and a daily average of 2,214 over the first half. The June mine output was at a low for any month since February, when operations were affected by the Utah strike.

Secondary, or scrap, copper production declined in June to 8,285 from 10,555 tons in the preceding month. For the half year the supply from secondary sources amounted to 87,155 tons, compared with 130,410 for all of 1948.

Production of refined copper, including metal from duty-free outside sources, amounted to 92,118 tons in June, a low since March and comparing with 98,139 in May.

Refined stocks as of June 30 totaled 166,925, a high for a long period and 38,484 tons higher than on May 31. In the third quarter, domestic stocks increased a total of 98,475 tons, or from the March 31 low of 68,450 to the present 166,925.

In countries outside the United States, excluding Russia, deliveries of refined copper to consumers increased to 86,475 tons in June from 79,644 in May. Production was off from primary sources to 110,333 from 113,945, but on a daily basis increased to 3,678 from 3,676 tons daily. Stocks of refined copper for these outside countries declined 2,473 tons to a total of 162,798 on hand at the month end.

Lead—Prices have continued to mount under increased industrial buying. While no official announcement was made, reports were current that the government was in the market for a substantial quantity. The market situation at the close of the week looked firm with producers quoting 14c. per pound, New York.

Price of British soft pig lead was ad-

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vanced £5-10s or $22 a ton delivered, making the market $324 per ton on July 14. The Ministry of Supply stated that the increase was made necessary by the rise in the price of lead on the American market.

Quicksilver—No significant increase in activity in this market. The price range was given at $79.00 to $83.00 per flask, the lower figure representing 50 flask lots or more. The tone of the market appeared steady.

San Francisco—Market unchanged over past several weeks with limited supply of stocks and little activity reported. Metal quoted from $80 to $82 per flask, f.o.b. this city.

Silver — Followed an even course throughout the past week, with demand and supply continuing in balance. The closing price for silver bullion in the New York market was 71½c. per ounce.

Silver Bullion Price Range

	Per ounce — New York	Per ounce — London
High	Feb. 14, 1949—71½c.	Jan. 14, 1949—43½d.
Low	Jan. 1, 1949—70c.	Jan. 1, 1949—42½d.

Future prices of silver have declined sharply in the Bombay bullion market following resumption of silver sales by the Reserve Bank of India, which stopped selling it four years ago. The silver offered is reportedly an anti-inflationary measure at a time when stocks in the market are low.

Zinc—Market situation remained relatively quiet, with the price steady at 9c. per pound, with stocks adequate to meet the current demand. American Zinc Institute placed slab zinc output for all grades during June at 74,054 tons. Domestic shipments were 45,008 tons, export and drawback 14,055 tons, government account 8,025 tons making a total of 67,088 tons, compared with a revised total of 52,689 tons for the preceding month. Stocks on June 30 were 82,796 tons, compared with a revised amount of 75,830 on May 31. Unfilled orders on June 30 amounted to 42,705 tons against 58,644 at the close of May. Daily average production in June was 2,468 tons, compared with 2,501 in May and a daily average over 1948 of 2,323 tons.

Zinc Scrap—Recovery of secondary zinc in all zinc-base products increased 7 percent to 12,930 tons in March, according to the Bureau of Mines. Consumers' stocks of zinc scrap were 35,222 tons on March 31, compared with 35,315 tons at the end of February. The quantity of zinc scrap used was 19,772 tons, a gain of 4 percent over the February total. Except for skimmings and ashes, old zinc and sal skimmings, consumption of all types of zinc scrap increased, the largest advances being 376 tons in chemical residues, 339 tons in die castings, 226 tons in die cast swimmings and 210 tons in flue dust.

Receipts of zinc scrap were 19,679 tons compared to 19,557 tons in February and 19,296 tons in January. Production of zinc oxide from scrap increased 515 tons or 73 percent over February; other substantial gains were in outputs of redistilled slab and zinc chloride. Lithopone production from scrap indicated the only appreciable drop in production of zinc-base products during March.

Monsanto Names Jesdale, Jones to Merrimac Posts

Monsanto Chemical Company, St. Louis, Mo., has appointed Thornton C. Jesdale and Chester L. Jones assistant general managers of sales for its Merrimac Division, Boston, Mass.

Mr. Jesdale, formerly sales manager for the products of the organic and phosphate divisions in New England, will assume responsibility for sales of heavy chemicals and resales. He joined the company in 1927 at Chicago and was transferred to Boston in 1940.

Mr. Jones, who has served as surface coatings sales manager for the Merrimac Division, will be responsible for sales for that section and for sales development.

Doan Gets Saran Post

Leland I. Doan, president of the Dow Chemical Company, Midland, Mich., has been appointed to the board of directors of the Saran Yarn Company, Odenton, Md. He fills the vacancy created by the recent death of Dr. Willard H. Dow. The Saran Yarn Company is jointly owned by Dow Chemical Company and the National Plastic Products Company.

Pennsalt Opens Plant

The Pennsylvania Salt Manufacturing Company, Philadelphia, recently opened its new $2,000,000 chemical plant in Calvert City, Ky. An open house was conducted at the dedication ceremonies, and visitors were shown the plants facilities for producing hydrofluoric acid.

Du Pont Names Demme Acetate Div. Sales Head

George S. Demme, assistant director of nylon sales for the past five years, has been appointed director of sales of the acetate division of the rayon department of E. I. du Pont de Nemours & Co., to succeed Robert E. Cullen, who will retire next month.

Mr. Demme joined the du Pont organization in 1918 and became associated with its rayon operations in 1925 as a supervisor in the Old Hickory, Tenn., plant. In 1926 he was placed in charge of viscose process rayon sales service in the southern territory, and served in various sales capacities in New York and Philadelphia before being named assistant director of sales of the nylon division in 1944.

Mr. Cullen joined the company in 1915 as an assistant engineer at its Carney's Point, N. J., smokeless powder plant. He was the first superintendent of the company's initial cellophane plant at Buffalo, N. Y., and in 1925 was named assistant works manager for both cellophane and rayon operations.

He transferred to rayon sales in 1926 and was made assistant director of rayon sales in 1928. He was appointed director of acetate sales in 1925.

Army Fertilizer Program

—Continued from page 4

sion appeared to be the only assurances that the domestic industry has of its needs being met.

His arguments were convincing to the committee, for in reporting the bill the committee adopted those provisions of the Thomas amendment for continued operation of the three plants by the army but wrote in a proviso that "nothing in this section shall be construed to repeal the provisions of section 205 of Public Law 793, Eightieth Congress, with respect to the production and allocation of nitrogenous fertilizer materials for domestic use."

The insertion of the proviso in the amendment has created much confusion in government and industry circles for it opens up a series of questions relating to the future plans of the army. At the present time, strenuous efforts are being made by Secretary of Commerce Charles Sawyer and the army to get the committee to change its position on the grounds that it has disrupted the whole program which the army had worked out with the house committee.

Army Modified Plans

Originally it had been the intention of the army to dispose of the Ohio River ordnance plant at West Henderson, Ky., to private industry because the production of anhydrous ammonia from that plant was no longer needed to meet military requirements. The department had planned to continue to take the bulk of the production from the Cactus ordnance plant at Etter, Tex., now owned by Phillips Chemical Company, and with the production from Morgantown and San Jacinto, meet its requirements from these sources.

At the insistence of the house committee, however, the army modified its plans and agreed to continue operation of the Ohio River plant and limit its purchases of nitrogen from the Phillips plant to 18,000 tons and in that way permit the Phillips plant to get into the domestic market which it had been endeavoring to do for the past year.

A new contract is understood to have been negotiated with Phillips by the army under which the army has agreed to limit its purchases to 18,000 tons of ammonium nitrate from this plant. It is also understood that the contract provides that if the army needs more than 18,000 tons, Phillips has the option of supplying the nitrogen either in the form of ammonium sulphate or anhydrous ammonia.

Phillips Supplied Anhydrous

The anhydrous ammonia which the army has been making available to private industry under the 10 percent clause, has all come in the past from Phillips. As a result of the new contract, it is questionable whether the army can still rely upon Phillips as a source of the anhydrous if Congress does not repeal the 10 percent provision. Phillips has constructed an ammonium sulphate plant at Houston and is said to have need for all of its anhydrous ammonia for capacity operation of the new plant.

If the anhydrous ammonia will no longer be available to the army from Phillips, the probabilities are that the 10 percent requirement will have to be met, it is said, out of the production of the Morgantown plant, which means higher freight costs to the receivers of the material.

Surface Active Synthetic Organics 1948 Data Listed

Preliminary statistics on production and sales of surface-active agents[1] in 1948 have been issued by the United States Tariff Commission. The data, in pounds, are as follows:—

	Production	Sales
Cyclic		
Total	167,597,400	122,534,100
Polyhydric alcohol esters and ethers[2]	16,873,300	14,255,900
Quaternary ammonium compounds	864,500	853,100
Sulphated and sulphonated cyclic surface-active agents, total	149,859,600	107,425,100
Benzenoid compounds, sulphonated, total	101,442,600	67,361,000
Dodecyl benzenesulphonic acid and salt	76,945,500	47,854,800
All other[3]	24,497,100	19,506,200
Naphthalenoid compounds, sulphonated—		
Amylnaphthalenesulphonic acid, and salt, mono and di	.....	581,100
Butylnaphthalenesulphonic acid, and salt, mono and di	1,651,500	.....
Isopropylnaphthalenesulphonic acid, and salt, mono and di	573,200	404,600
Nonylnaphthalenesulphonic acid, and salt	186,800	206,100
Petroleum sulphonates, aromatic, total	35,284,300	27,019,800
Oil layer type petroleum sulphonate, sodium salt	19,777,500	[4] .....
All other	15,506,800	27,019,800
All other sulphated and sulphonated cyclic surface-active agents[5]	10,721,200	11,852,500
Acyclic		
Total	198,473,800	144,256,400
Nitrogen-containing surface-active agents (nonsulphonated), total	18,198,500	16,186,700
Amide surface-active agents, total	15,849,600	14,005,300
N-(Aminoethyl)-N-(hydroxyethyl) oleamide (Oleamide of aminoethylethanolamine)	96,100	[6] .....
N-(Aminoethyl)-N-(hydroxyethyl) stearamide (Stearamide of aminoethylethanolamine)	311,000	303,300
Coconut oil fatty acid amide of diethanolamine	1,894,000	1,785,800
Coconut oil fatty acid amide of monoethanolamine	2,697,300	[6] .....
All other	10,851,200	11,916,200
All other nitrogen-containing surface-active agents[7]	2,348,900	2,181,400
Polyhydric alcohol esters and ethers, total	9,097,100	8,279,900
Polyglycol ester of coconut oil fatty acids	25,100	20,100
Polyglycol mono-oleate	226,300	64,000
All other	8,845,700	8,195,800
Salts of fatty acids—		
Sodium oleate	539,100	431,600
Sodium tallate	295,300	221,600
Sulphated and sulphonated acyclic surface-active agents, total	169,363,300	118,254,600
Acids, sulphated and sulphonated	4,675,700	4,664,100
Oleic acid, sulphonated (Sulphonated red oil)	2,816,900	2,559,600
All other	1,858,800	2,104,500
Amides, sulphated and sulphonated	14,845,700	13,195,600
Esters, sulphated and sulphonated—		
n-Butyl oleate, sulphonated	602,400	.....
Isopropyl oleate, sulphonated	753,400	752,900
Oils, fats, and waxes, sulphated and sulphonated, total	35,063,200	23,513,400
Animal fats and oils, sulphonated, total	10,672,800	8,202,300
Neatsfoot oil, sulphonated	2,217,400	1,890,900
Tallow, sulphonated	7,211,700	5,700,600
All other	1,243,700	610,800
Fish and marine mammal oils, sulphated and sulphonated, total	12,908,000	7,242,200
Cod oil, sulphonated	4,203,900	3,336,000
Herring oil, sulphonated	4,013,800	1,768,000
Sperm oil, sulphonated	1,822,000	658,800
All other	2,868,300	1,481,400
Vegetable oils, fats, waxes, sulphated and sulphonated, total	10,972,600	7,678,600
Castor oil, sulphonated	5,265,600	4,423,100
Coconut oil, sulphonated	333,200	174,700
Corn oil, sulphonated	271,600	53,400
Mustard seed oil, sulphonated	686,700	425,100
Peanut oil, sulphonated	1,357,500	818,700
Rice bran oil, sulphonated	616,600	118,100
Soybean oil, sulphonated	701,300	428,900
Teaseed oil, sulphonated	428,600	360,600
All other	1,311,500	866,000
All other oils, fats, and waxes, sulphated and sulphonated, total	509,800	390,300
Recovered grease	105,500	107,000
Tall oil, sulphonated	404,300	283,300
Petroleum sulphonated, aliphatic	21,700,400	16,152,800
All other sulphated and sulphonated acyclic surface-active agents[8]	91,722,500	59,975,800
All other acyclic surface-active agents[9]	980,500	882,000
Grand total	366,071,200	266,790,500

[1] Data are given in terms of bulk surface-active agents, that is, in terms of 100 percent content of surface-active agent, exclusive of all inorganic salts, water, etc.

[2] In addition to ethers and esters, data on derivatives of anhydro hexitols are also included.

[3] Includes alkyl aryl sulphonates, and sulphated and sulphonated phenyl ethers and substituted biphenyl and phenylphenol derivatives.

[4] Included in "All other petroleum sulphonates."

[5] Includes salts of lignosulphonic acid and some sulphonated naphthalenoid compounds which are not listed separately in the table.

[6] Included in "All other amide surface-active agents."

[7] Includes esters of hyroxyamines, quaternary ammonium compounds, salts of nitriloacids, fatty acid derivatives of guanidine, glycine, proteins, and others.

[8] Includes sulphated and sulphonated alcohols, and some sulphated and sulphonated esters which are not listed separately in the table.

[9] Includes phosphorus derivatives of high molecular weight compounds, salts of fatty acids, which are not listed separately in the table, and others.

Note—The statistics on sales of surface-active agents in 1948 do not include the quantity and value of interplant transfers as did the statistics for 1947 and earlier years. Before 1948 the interplant transfers probably accounted for not more than 10 percent of the total of sales plus transfers. The sales statistics given in this report, therefore, are not strictly comparable with the sales statistics given in earlier reports.

Antara Products Forms Government Service Dept.

Antara Products, a division of General Aniline & Film Corporation, New York, has formed a new government service department to coordinate information, sales and service to Federal, state and municipal governments. Under the direction of John P. Conrad, the new department has set up a complete file of government specifications applicable to Antara products and has organized complete facilities for streamlined bidding and prompt service on any government need in the surface active agent field.

Hooker Reassigns Spafford

Hooker Electrochemical Company, Niagara Falls, N. Y., has appointed Allen L. Spafford field salesman and has assigned him to the territory composed of upper New York state and western Pennsylvania. Mr. Spafford, who will make his headquarters in the company's Niagara Falls office, has been associated with Hooker for the past two years as a process study engineer.

American Cyanamid Assigns Two to New Product Development

The American Cyanamid Company, New York, has assigned Dr. Vincent V. Lindgren and B. R. Putnam jr. to its new product development department. Dr. Lindgren, who has been associated with the company's Stanford, Conn., research laboratories for the past three years, will devote his time to new product development activities. Mr. Putnam, who has been engaged in engineering development in the company's technical department, will be concerned with market research activities.

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Agricultural Chemicals

Persistant buying by stock-feed interests has propelled prices upward for dried blood and tankage and created a firm feeling in fish meal. Hoof meal was priced higher on purchases said to be for the fertilizer trade. The seasonal vacation period has shutdown the production of castor pomace. Contract shipments of ammonia sulphate, potash and superphosphate are going forward steadily with some concern felt over the output of coke-oven ammonia sulphate owing to the possibilities of a strike at the steel mills. A substantial increase in buying interest has featured insecticide materials and stocks are becoming shorter.

Fertilizers and fertilizer materials exports were somewhat lower in quantity during the month of April than they were during the same month of 1948, totaling 261,000 short tons as compared with 277,000 in April, 1948, according to NFA. Sharply reduced shipments of phosphate materials—principally phosphate rock—were the principal factor in the decline shown in the most recent Census Bureau export figures. Exports of these materials were approximately 48,000 tons lighter than those of a year earlier. The decline in phosphate rock shipments was largely offset by an increase in our exports of nitrogenous materials—especially ammonium sulfate.

Nitrogenates

Ammonium Nitrate — Market situation holding steady with no new developments in Canadian since the late price decline. April exports amounted to 50,363 tons and for the four months period ending April 30, total exports were 196,788 tons.

Ammonium Sulphate — Firm at former quotations with some concern felt over coke production through possibilities of a steel strike. Bureau of Mines places May shipments of coke-oven sulphate at 139,773,048 pounds and 8,425,255 pounds made from purchased synthetic ammonia. April shipments were 146,523,186 pounds and 8,694,478 from purchased synthetic ammonia. Total shipments for five months ending May 31 were 739,315,218 pounds and 42,691,476 made from synthetic ammonia, against 676,836,400 pounds and 22,527,100 made from purchased synthetic ammonia for the same time in 1948.

Bone Meal — Shortage of stocks for prompt shipment has kept the market firm at the late advance. The feed trade has continued to show considerable interest in both raw and steamed grades of this material.

Castor Pomace—It was stated that production has been suspended for the remainder of the month for vacations and plant repairs. No spot offerings in the market.

Dried Blood—Priced higher at $8.50 per unit of ammonia here and at $9 in Chicago. Persistent purchases for feed use were primarily responsible for the market's advance.

Fish Meal—Additional sales have been made at the lately advanced prices. Baltimore reported the menhaden catch good with demand better. Stock-feed trade has continued the principal buyer.

Hoof Meal—Priced higher with buyers taking material at $7.25 per unit of ammonia, Chicago basis. Light available supply and an increased demand found a ready response in prices.

Sodium Nitrate—Market situation quiet with stocks adequate to meet current demand. Prices were unchanged.

Tankage — Sales recorded at higher prices to the stock-feed trade. Sales at New York at $9 per unit of ammonia and up to $10 at Chicago.

Phosphates

Phosphate Rock—All producers are not flush with shipping schedules to date although progress is being made. Domestic demand has been broad enough to hold the market situation steady. Export shipments were lower in April, compared with March but were substantially lower than in April a year ago. This year the April total amounted to 121,072 tons including 119 tons of Florida high-grade hard rock, 72,557 tons of Florida landpebble and 48,396 tons of other rock. The March total was 123,799 tons and in April, 1948, export shipments registered 189,465 tons.

Superphosphate—Acidulators have continued to place contracts covering the year's requirements and producers described the demand as satisfactory with sales up to seasonal dimensions. April exports of normal were down to 27,477 tons, against 33,836 in March. In April, 1948, however, April exports of normal were only 5,473 tons. Total exports for four months ending April 30 were 160,249 tons of normal superphosphate, compared with 50,279 for the corresponding period in 1948. April exports of concentrated were 1,282 tons, against 1,421 in the preceding month and 3,092 in April last year. The four months total, January through April, showed exports of 5,473 tons this year, compared with 9,725 for the same time in 1948.

Potashes

Regular contract shipments to fertilizer mixers have constituted the week's movement of muriate. Producers are meeting contract schedules and there were no new developments to interrupt the routine movement of stocks. April exports of muriate amounted to 7,468 tons, against 7,050 tons in the preceding month and 7,008 tons for April, 1948. Total exports of muriate for four months ending April 30 were 29,970 tons, compared with 30,577 tons for the same period a year ago.

Imports of muriate in April were 11,526 tons, compared with 1,963 tons in March and 12,861 in April, 1948. Total imports for four months ending April 30 were 27,471 tons, against 28,785 for the corresponding period in 1948.

Los Angeles Fertilizer Market

Los Angeles—Adequate supplies of all agricultural chemicals combined with a very dull market to reflect buyers resistance to present prices. No indication of increase in market activity is apparent to the trade here. Ruling prices were:—Ammonia nitrate, $73.57 per ton, f.o.b. this city. Ammonia phosphate, $65 per ton for 16/20 grade, f.o.b. this city, and $89.30 per ton for 11/48 grade, f.o.b. this city. Ammonia sulphate, $56, bagged, f.o.b. this city. Canadian material, same, bagged, f.o.b. this city; $55 in bulk. Blood meal, $6.75 to $7 per unit of ammonia at source. Bone meal, $65 for steamed 1/30 meal. Fish meal, $216 to $222 per ton for 60 percent protein tuna f.o.b. this city; $254 per ton f.o.b. this city for 60 percent sardine meal. Nitrate of soda, $56 per ton in 100-pound bags, f.o.b. Los Angeles harbor; $5 less for bulk. Potash muriate, 45½c. per unit, bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 in bulk, f.o.b. this city; $2.50 extra for bags. Tankage, dry rendered, ground, 50 percent protein, $5.50 per unit of ammonia at production plants, plus 10c. per unit of b.p.l.

Pesticides

Buying interest is steadily expanding for the new synthetics, including benzine hexachloride, chlordane, DDT, toxaphene and others and possibilities of shortages are increasing. Inability to secure these materials in some sections of the Cotton South has improved the demand for calcium arsenate. Field reports note a heavy boll-weevil infestation and serious expansion in corn borers. So far the grasshopper plague does not appear to be as great as reported in some of the western states.

Calcium Arsenate—Prices unchanged, stocks moderate and moving mostly to the Cotton South where boll-weevil infestation is increasing, particularly in Texas. March exports were 72,000 pounds, including 60,000 to Belgium. Exports for the first quarter totaled 268,000 pounds, compared with 114,000 for the same period in 1948. In both periods Peru was the largest buyer.

DDT—Supply situation has tightened appreciably since the turn of the month and full list prices have been named in supply quarters. Aside from a heavy demand from the West to control the corn borer and grasshopper infestation, there has been extensive buying for foreign consumption. March exports amounted to 3,745,000 pounds, against 743,000 in the preceding month. Total exports for the first quarter of 1949 were 5,135,000 pounds and included 1,743,000 pounds to Greece, 938,000 to Brazil, 504,000 to Ceylon and 305,000 to Belgium.

Lead Arsenate—According to trade re-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Dried blood, 50c. per unit of ammonia.
Hoof meal, 25c. per unit of ammonia.
Tankage, 75c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	76.4

(For Current Prices see Page 9)

ports, producers have reduced inventories to a low level. Foreign sales have not been extensive so far this year. March exports were only 1,600 pounds and the total for the first quarter was 37,000 pounds, 26,000 of which were destined to Venezuela. For the same period in 1948, export shipments amounted to 90,000 pounds, including 55,000 to Brazil.

Rotenone—March imports of rotenone-containing materials totaled 718,000 pounds, the highest for any month in 1949 to date. The first quarter total was 2,135,000 pounds, including 2,022,000 pounds from Peru. For the same time in 1948, imports were 3,904,000 pounds.

Sulphur

Apparent sales of native sulphur in April were placed at 449,729 long tons by the Bureau of Mines. In March total sales were 434,711 long tons and in April, 1948, total sales registered 422,710 long tons. Total sales for the first four months in 1949 were 1,642,737 long tons, compared with 1,608,058 for the corresponding period in 1948.

Fertilizers 1948 Output Of Canada Shows Decrease

Production of fertilizers in Canada during 1948 amounted to approximately 1,520,000 tons, comprising 650,000 tons of mixtures and 870,000 tons of nitrogen fertilizers, according to a recent report from the Dominion Bureau of Statistics. Production during 1947 amounted to 1,539,000 tons, of which 674,000 tons were mixtures and 865,000 tons were nitrogen fertilizers. Details of sales and imports of fertilizers in Canada during 1948 are as follows, in tons:—

Sales

Nitrate of soda	507
Sulphate of ammonia	5,058
Calcium cyanamide	2,146
Ammonium nitrate	6,496
Superphosphate*	24,385
Bone meal or bone flour	740
Muriate of potash, 50 percent	560
Muriate of potash, 60 percent	3,931
Sulphate of potash	148
Tankage	509
Sheep manure	1,409
Dried blood	90
Ammonium phosphate—	
11-48-0	48,662
16-20-0	8,148
Other fertilizer materials	4,490
Total materials	107,299
Mixed fertilizers	564,872
Total, 1948	672,171

* Contains 18 percent, 19 percent and 20 percent superphosphate.

Imports

Ammonium sulphate	130
Basic slag	55,708
Kainite	8,550
Muriate of potash, crude	103,208
Sulphate of potash, crude	5,190
Sodium nitrate	19,705
Superphosphate	119,383
Fertilizers, compounded, n.o.p	6,075
Fertilizers, unmanufactured, n.o.p	3,359

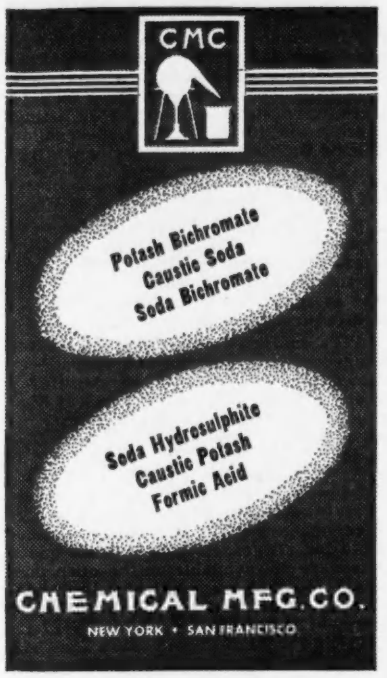
Canadian Plant Food Makers

—Continued from page 7

pacity means very little unless the industry strives continuously for equal monthly shipments. With a rated capacity of 14,000,000 tons, only 9,000,000 tons were shipped due to peak season demands."

The speaker approached the supply situation from a demand angle and stressed higher transportation costs, higher labor costs, higher land values. He said, "higher costs all around demand intensive farming instead of extensive farming." This, he felt, will keep fertilizer demand at a higher level than heretofore.

Demand in the coastal plain section will remain fairly constant with increases being satisfied by triple superphosphate, rather than normal superphosphate, he predicted, and in the Mississippi Valley states, demand will more than treble and will be satisfied by triple superphosphate because of ever-increasing freight rates.



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Petroleum Derivatives

Low-gravity crude oil was cut 10 cents per barrel in the Texas Gulf Coast area last week. The action, though significant because of its region-wide application, was regarded to be of relatively minor importance insofar as the overall crude picture was concerned. Meanwhile, derivative materials held firm.

Aromatics were in slightly lesser demand because of Summer layoffs by the paint industry. Stocks were plentiful and the price structure stood fast. Higher boilers and blends were similarly situated, continuing stable and ample. Interest in these materials also declined because of vacation schedules in consuming industries.

A dip in inquiry for aliphatics was likewise noted. However, the general volume of business was viewed as normal for this time of year. Stocks were reported plentiful, and in view of the satisfactory gasoline supply position, no difficulty in the naphtha situation was expected. Call for LPG's was sluggish, a normal seasonal trend. Paraffin was ample and firm. Call was off.

Solvents and Diluents

Aromatic Solvents—There was little of note to report in last week's market for petroleum aromatics. Demand from paint makers was off a little, owing to Summer shutdowns and vacations. However, the general volume of business was regarded as normal for this time of year. Stocks of both toluol and xylol were ample in all areas. The week's 10c. reduction in low-gravity crude had no bearing on the prevailing price situation, as aromatics listings stood fast. Since there was no expectation of any change in postings for sweet crude before Fall, the price structure of toluol and xylol was regarded as firm.

With paint manufacturers laying off for Summer vacations, demand for higher boilers and blends slipped during the week. The situation was viewed as a normal seasonal trend. There was no change in the supply position, with offerings of both boilers and blends continuing ample. This section was quotationally without feature.

Cleaners' Naphtha—With gasoline stocks holding up well during the peak of the motoring season, sellers of this and other aliphatics last week indicated that they were unworried about the supply position. Demand for cleaners' naphtha was fair. Prices were maintained in all areas at 10⅞c. to 11⅝c. per gallon, group 3. At most East Coast points, the tankcar listing was 14c. At Philadelphia, the market was 1c. per gallon under this figure.

Lacquer Diluent — Buying interest was down somewhat during the past seven days, due mainly to Summer layoffs by paint manufacturers. However, this cutback in consumption was viewed as a normal situation for July. Supplies, meanwhile, continued plentiful in all areas. Gasoline stocks were said to be holding their own, and aliphatics were expected to continue ample all Summer long. Prices in group 3 held firm at 11⅛c. to 12⅛c. In the East, listings were at 16c. per gallon.

Mineral Spirits—There was a slight dip in inquiry during the past seven-day period, due to vacation shutdowns by the paint industry. However, the general level of business was regarded as normal for this time of year. Stocks were plentiful everywhere. Prices were steady, holding at 9⅞c. to 10⅞c. per gallon, group 3. At East Coast points, except Philadelphia, the price was 14c. per gallon, tankcars. The Philadelphia listing was 13.

Rubber Solvents — The price structure remained steady during the period under review, continuing at 15c. per gallon, East Coast, and at 10⅜c. to 10⅞c., group 3. Consuming interest was down somewhat, due to vacation shutdowns in the rubber industry. There was no dearth of material in any area.

Stoddard Solvent—Demand from paint makers let up a bit last week, owing to Summer layoffs. However, the situation was described as a normal seasonal development. Meanwhile, stocks remained ample throughout the trade. Prices in group 3 were at 9⅞c. to 11⅜c. per gallon. With the exception of Philadelphia, where the price was 13c. in tankcars, East Coast marketers quoted 14c. per gallon, tanks.

V. M. & P. Naphtha—There was a slight drop in demand during the week because of vacation layoffs by lacquer makers. However, this was said to be a purely seasonal situation. Supplies were excellent. Prices were steady. In group 3, listings ranged from 10⅞c. to 11⅝c. per gallon, while on the East Coast, the price was 15c.

Lighter Fractions

The United States Bureau of Mines has prepared a nine-page bulletin (IC-7519) of text and figures describing the properties and safe handling of butane and propane as fuels. The pamphlet is available upon request from the bureau.

LPG's in last week's market were unchanged. Call for butane and propane remained sluggish. Stocks were plentiful in all areas. Prices were maintained at 3½c. and 2½c. per gallon, group 3, for butane and propane, respectively.

Waxes

Paraffin—Demand was said to have fallen off last week, as stocks continued ample for all grades. Crude scale quotations were not available on the open market. Following are current fully-refined prices, carload, loose slabs, f.o.b. refinery:—120-122 ASTM, 6.75c.; 122-124 ASTM, 6.75c.; 125-127 ASTM, 6.75c.; 128-130 ASTM, 6.90c.; 130-132 ASTM, 6.95c.; 132-134 ASTM, 7.10c., and 135-137 ASTM, 7.20c. per pound.

Miscellaneous

Crude Oil—Postings for low-gravity grades were cut 10c. per barrel in the Texas Gulf Coast area last week. The trade believed that this would have little effect on the overall picture, since sweet crudes were left untouched.

Petrolatum—Following are current New York prices of USP material:—Amber, 4⅞c. to 5¾c.; cream, 6⅝c. to 8c.; extra amber, 5⅛c. to 6c.; lily white, 6⅞c. to 8¼c.; snow white, 7⅛c. to 8½c.; soft white, 6⅝c. to 7½c., and soft yellow, 5c. to 5⅞c. per pound.

White Mineral Oil—Following are current New York quotations on technical grades:—50-65 viscosity, carload, 48½c.; 50-65, l.c.l., 51½c. to 56½c.; 65-75, carload, 48½c., and 65-75, l.c.l., 51½c. to 56½c. per gallon.

Following are current New York prices on USP material:—80-90 viscosity, carload, 52c.; 80-90, l.c.l., 55c. to 60c.; 125-135, carload, 60c.; 125-135, l.c.l., 63c. to 68c.; 145-155, carload, 63c.; 145-155, l.c.l., 66c. to 71c.; 175-185, carload, 64½c.; 175-185, l.c.l., 67½c. to 72½c.; 200-210, carload, 68c.; 200-210, l.c.l., 71c. to 76c.; 335-345, carload, 74c., and 335-345, l.c.l., 77c. to 82c. per gallon.

Los Angeles Petroleum Market

Steady demand and ample supply have made for a good solvents and diluents market with more than average interest here this week. Prices have remained unchanged as follows:—Cleaning solvents, 15.5c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles area basis; lacquer diluent, 16.5c., same basis, and stoddard solvent, 15.7c., same basis.

The market in lighter fractions continued dull. Propane was quoted at 8.8c. to 9.3c. per gallon, tankcar, f.o.b. Los Angeles area basin. Butane commanding 9.3c., same basis.

Paraffin wax moving slowly with prices unchanged despite oversupply position here. High melting point 140-147 ASTM, carload, loose slabs, f.o.b. shipper's refinery, San Francisco Bay area, 6.95c. per pound; 146-148 ASTM, 7.15c., and 157-162 ASTM, 7.6c. Tankcar prices in the order named above are 6.6c., 6.8c., and 7.25c. per pound.

Market Trends

Prices Advanced
None

Prices Reduced
Petroleum, crude, Texas, Gulf Coast, low-gravity grades, 10c. per bbl.

(*For Current Prices see Page 9*)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended July 2 totaled 274,313,000 barrels, according to the Bureau of Mines. Compared with the total of 274,114,000 barrels for the preceding week, this represents an increase of 199,000 barrels, comprising a decrease of 87,000 barrels in stocks of domestic crude and an increase of 286,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

Petroleum Refining '47 Census Data Published

Manufacturers in the petroleum refining industry shipped products valued at $6,624,000,000 during 1947, according to preliminary figures released by the Bureau of the Census, Department of Commerce. This is an increase of 169 percent over the $2,462,000,000 value of products reported by this industry in 1939, when the last Census of Manufactures was taken. Value added by manufacture in the industry during 1947 amounted to $1,494,000,000 or an increase of 183 percent over the $529,000,000 value added in 1939.

Production worker employment in the industry averaged 113,847 in 1947 compared with 72,982 in 1939. Wages paid to production workers increased 209 percent, from $128,000,000 in 1939 to $396,000,000 in 1947. The industry's expenditures for new plant and equipment during 1947 totaled $316,000,000 compared with $108,000,000 for 1939.

In 1947, 1,887,890,000 barrels of crude petroleum were processed at refineries, compared with 1,250,256,000 barrels in 1939. Shipments of major products in 1947 included 845,621,000 barrels of gasoline, 829,976,000 barrels of fuel oils (distillate and residual), 58,165,000 barrels of lubricating oils, and 1,198,254,000 pounds of lubricating greases.

The petroleum refining industry, as covered by the 1947 census, includes establishments refining crude petroleum and petroleum products, and plants primarily engaged in rerefining used oils by a distillation process. Plants primarily rerefining used oils shipped products valued at $7,200,000 during 1947, an increase of 415 percent over the $1,400,000 value of products in 1939.

Continental Refining Opens New York Office

The Continental Refining Company, Oil City, Pa., has established offices at 150 Broadway, New York, to handle its export business and sales of branded and unbranded oils in the east. The office is under the direction of Erwin G. Schattmann. Export and eastern domestic selling will be handled in New York and all manufacturing and shipping will be from the company's plant in Oil City.

Calif. Standard Advances Paine

Standard Oil Company of California has appointed Ralph K. Paine manager of its pipeline department, to succeed Clyde A. Swigart, who has been elected a vice-president of the Trans-Arabian Pipe Line Company. Mr. Paine has been succeeded as southern district general superintendent of the pipeline department by L. E. Joses.

Sun Oil Advances Lane

Sun Oil Company, Philadelphia, has appointed John M. Lane jr. marine administrator, to succeed Charles R. Innis, who has retired after almost forty years with the company. In this position Mr. Lane will coordinate the movements of the company's fleet and will have charge of chartering tankers and barges.

API Awards Research Grant

The American Petroleum Institute has awarded a fellowship to Dr. M. G. Mayberry, Mellon Institute of Industrial Research, Pittsburgh, to develop a suitable thread compound for oil country tubular goods. The project, which has been established on a two-year basis, will be carried out at the Mellon Institute.

General Petroleum Advances Watts

General Petroleum Corporation has appointed E. V. Watts production superintendent of its southern division. Mr. Watts joined the General Petroleum organization in 1936 and has been assistant to the southern division superintendent since last year.

Jersey Standard Debentures Sold

An issue of $150,000,000 of Standard Oil Company (New Jersey) debentures was placed on the market on July 13 by a banking group headed by Morgan Stanley & Co., New York, and was oversubscribed within a half hour after it was offered. The bankers paid the company 99¾ for the debentures and offered them at an asking price of 100½.

Midstates Oil Buys Pipeline

The Midstates Oil Corporation, a subsidiary of the Middle States Petroleum Corporation, has purchased a thirteen mile pipeline running from near Haynesville, La., to near Homer, La., from the Southwest Natural Gas Company. The pipeline will provide a market outlet for the gas production from Midstates' lime wells in the Haynesville pool.

Caltex-Bahrein Group Elects Bramsted to Executive Post

W. F. Bramstedt has been elected executive vice-president and a director of the Caltex-Bahrein group of company, and E. A. Skinner has been named vice-president in charge of government and public relations in the Persian Gulf area of Bahrein Petroleum Company, Ltd.

At the same time H. G. Denham was elected president of Mid-East Crude Sales Company, which draws its sales from Persian Gulf sources, and F. C. Sealey was elected a vice-president of Bahrein Petroleum Company in charge of producing and exploration.

Mr. Bramstedt has been serving as president of Mid-East Crude Sales Company since 1948, and was formerly vice-president in charge of crude oil marketing of California Texas Oil Company. Mr. Skinner was formerly vice-president of Trans-Arabian Pipeline Company and Mr. Denham was previously president of California Commercial Company and manager of sales of Arabian American Oil Company.

Bids Wanted

Aluminum stearate, 30,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 7546, July 20.

Barium sulphate, 11,544 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 1507, July 25.

Calcium oxide, 100,000 pounds, Navy Purchasing Office (Norfolk, Va.) schedule 8194, July 21.

Chemicals & drugs, including methanol, 6,096 pounds, sodium nitrite, 12,288 ounces; tetracaine hydrochloride, meperidine hydrochloride, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 1509, July 25; including acetic acid, ammonium molybdate, ammonium sulphate, arsenic pentoxide, carbon disulphide, chloral hydrate, invitation 1507, July 25.

Chlorine, liquid, 4,268,550 pounds, City of New York Department of Purchase, August 13.

DDT, 1,000 pounds, Purchasing Agent, Department of the Interior, National Capital Parks (Washington 25) invitation 509, July 20.

Lubricating grease, 5,532,000 pounds, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 2, July 26.

Motor fuel, class B 72 octane, from September 1 through December 31, 1949, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 5-1, July 28; class A 76 octane, from July 25 through August 15, 1949, invitation 11, July 22.

Oil, spindle, 400,000 gallons, technical, 16,000 gallons; Navy, various grades, 1,135,600 gallons; steam cylinder lubricating, 200,000 gallons; insulating, 2,300,000 gallons; cutting, soluble, 350,000 gallons; diesel engine lubricating, 800,000 gallons; turbine lubricating, 280,000 gallons; steam cylinder, 150,000 gallons; engine, 213,000 gallons, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 2, July 26; jet engine, 23,480 gallons, invitation 4, July 27; hydraulic, 2,475 gallons, Army Ordnance Department (Springfield 1, Mass.) invitation 3, August 1.

Paint, reflectorized, 4,000 gallons, District of Columbia Government (Washington 1) schedule 13580-A, July 21; lithopone, 1,460 gallons, State of New York Division of Standards & Purchase (Albany 1) invitation 867, July 19.

Paraffin wax, 3,000,000 pounds, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 2, July 26.

Petrolatum, 39,500 pounds, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 2, July 26.

Phenol, 105,050 pounds, Navy Purchasing Office (New York 3) invitation 5243, August 3.

Printing ink, litho offset, as required through June 30, 1950, Coast & Geodetic Survey (Commerce Building, Washington 25) invitation 728, August 1.

Soap, toilet, floating, 5,000 six-ounce cakes; laundry bars, 2,400 pounds; cleaning powder, 600 pounds; grit, 100 ten-ounce cakes, Federal Reformatory for Women (Alderson, W. Va.) invitation 6-2287, July 21; paste, 32,500 pounds, Navy Purchasing Office (New York 3) invitation 5226, part 1, August 4; low titer, 21,000 pounds; laundry powder, 50,000 pounds; borax compound toilet cakes, 7,000 pounds, and powder, 150,000 pounds; floating cakes, 40,000 pounds; invitation 5226, part 2, August 4; white floating toilet, 200,000 six-ounce cakes, and mechanics hand scouring powder, 56,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 4, August 4.

Solvent, dry-cleaning, from September 1 through December 31, 1949, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 49 A, August 1.

Sulphuric acid, battery, 2,000 gallons, Army Ordnance Department (Letterkenney Depot, Chambersburg, Pa.) invitation 4, July 27.

Trisodium phosphate, 668,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 3, August 4.

Wax, liquid floor, 6,600 gallons, U. S. Air Force (Lowry Base, Denver, Colorado) invitation 1, August 5.

Trade Briefs

Anderson-Prichard Oil Corporation has elected Neal B. Pritchard a director, to fill the vacancy created by the recent death of L. H. Prichard.

Shell Oil Company started flow of crude oil through its new pipeline from New Mexico to Wood River, Ill., on July 15, with the opening of the gate valve at the Illinois end.

Crude Oil production in Saudi Arabia during June amounted to 14,433,536 barrels, or an average of 481,118 barrels per calendar day, according to the Arabian American Oil Company. Crude processed at the company's refinery at Ras Tanura amounted to 4,468,289 barrels, or an average of 148,943 barrels per calendar day.

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For your convenience, THE BARRETT DIVISION, Allied Chemical & Dye Corporation, announces the following price schedules for Cresols, Cresylic Acids, Xylenols and Tar Acid Oils, effective July 11, 1949:

		Tank Cars	Non-Returnable Drums Carloads	Included L.C.L.
Cresol, U.S.P.	lb.	$.115	$.128	$.131
Cresol, Meta Para 2°C B.R.	lb.	.13	.143	.146
Cresol, Meta Para 2-3°C B.R.	lb.	.125	.138	.141
Cresol, Meta Para 3-4°C B.R.	lb.	.12	.133	.136
Cresol, Meta Para 4-5°C B.R.	lb.	.115	.128	.131
Cresol, Ortho, 30.4°C M.P.	lb.	...	.193	.196
Cresol, Ortho, 29°C M.P.	lb.	...	.183	.186
Cresol, Ortho, 26-27°C M.P.	lb.	.15	.163	.166
Cresol, Special Grades				
Dry below 207°C	lb.	.115	.128	.131
Dry above 207°C	lb.	.1125	.1255	.1285
Cresol, Special Grade, 3% Max. Ortho	lb.	.12	.133	.136
Cresylic Acid, 50% @ 204-207°C	gal.	.85	.96	.99
Cresylic Acid, 50% @ above 207°C	gal.	.80	.91	.94
Cresylic Acid, 95% Dark	gal.	.78	.89	.92
Cresylic Acid, 85% Dark	gal.	.72	.83	.86
Xylenol Fractions, over 7°C B.R. (except Meta)	gal.	.80	.91	.94
Xylenol Meta Fraction over 7°C B.R.	gal.	.85	.96	.99

F.O.B. our plant, Frankford, Philadelphia, Pa., freight equalized with Newark, N. J., Follansbee, W. Va., or Indianapolis, Ind.

West Coast shipments by water:—F.A.S. Philadelphia, Pa.

TAR ACID OILS

Grade 10-13%	gal.	.30	.38	.41
15-18%	"	.33	.41	.44
19-22%	"	.36	.44	.47
25-28%	"	.40	.48	.51
30-33%	"	.42	.50	.53
35-38%	"	.45	.53	.56
38-41%	"	.46	.54	.57
50-53%	"	.52	.60	.63

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Coaltar Chemicals

This market was characterized by several important price changes last week. Cresylic acid of both the high and low boil types was reduced 25 cents per gallon. Both technical and USP cresol were lowered 2¼ cents per pound. Orthocresol of the 29 and 30 degree types were lowered approximately 4¾ cents per pound, while the 25 to 27 degree material was reduced 4½ cents. Phthalic anhydride early in the week declined 1 cent per pound. Xylenol fractions with boiling ranges of over 7 degrees Centigrade were reduced 25 cents per gallon, while the meta fraction declined 20 cents per gallon. Phenol, naphthalene, and tar acid oil prices were unchanged. The index dropped 4.0 points, becoming 110.4.

There was a trend developing in the market in which the outside of the rather wide range of creosote prices which has prevailed over recent months was inclined to narrow. Some of the higher quotations were reduced 1½ cents per gallon. One of the factors affecting the cresylic acid market was the amount of imported material being offered at lower prices. The cresylic acid decline affected quotations on cresols and xylenols. Tar acid oils were not affected by the present decline in acid because of the recent competitive declines which occurred over recent weeks.

The naphthalene price structure was firm after the declines which developed in early July. There was nothing new to report in the aromatic solvents derived from coaltar. Benzol and toluol maintained a fair balance with demand, and xylol remained short.

Phthalic anhydride moved downward in price 1 cent per pound all across the board, and it was felt that this was due in part to the previous reduction in the price of naphthalene from which phthalic anhydride is made. However, for several months this item has been in a condition of oversupply, creating a competitive situation in which producers were more susceptible to the consumer pressure on them for lower prices. The decline was not expected to result in any significant increased use. The price decline was welcomed by plasticizer producers who immediately moved to reduce certain phthalate type plasticizers.

Steel production, which has been on the decline for twelve weeks, was scheduled at 77.8 percent of capacity for the week ending July 16, according to the American Iron and Steel Institute. This represents a substantial increase over the 61.2 percent which was scheduled during the holiday week. In terms of production, the rate last week was estimated at 1,434,300 tons of ingots and castings, compared with 1,128,200 tons the previous week, and 1,636,600 tons one year ago.

Market Trends

Prices Advanced

None

Prices Reduced

Acid, cresylic, 25c. per gal.
Cresol, tech. and USP, 2¼c. per lb.
Orthocresol, 30° C., 4¾c. per lb.
25-27° C, 4½c. per lb.
Phthalic anhydride, 1c. per lb.
Xylenol fractions, over 7°, 25c. per gal.
Meta fractions, 20c. per gal.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
110.4	114.4	114.7	154.6

(For Current Prices see Page 9)

Basic Products

Benzol—The price position of this solvent and chemical intermediate was reported as firm and likely to remain so throughout the present quarter. Demand was generally well sustained. Supplies were adequate at present and no shortage was apparent. The balance between supply and demand currently tended to favor supply, but there was the possibility during the coming weeks that the situation might move in the direction of a closer balance.

With the abundant supply which has prevailed over recent months on phthalic anhydride, there was less pressure of demand on maleic anhydride, and the long slump in the plastics industry contributed to a lessened demand for benzol derivatives, together with less pressure from solvent end-uses. Accordingly, there was less need for nitration grade benzol, and this resulted in more benzol being shifted into the motor grade.

Coaltar—There was no immediate change in this market from former weeks. Meanwhile, tar distillers were keeping a close watch on the rate of steel production, and the possibilities of a strike in the steel industry with respect to its probably duration and effect on supply.

Creosote—A producer of creosote who had heretofore been quoting 19½c. per gallon on creosote crude in tanks, revised prices downward to 18c. per gallon. Other producers at the end of the week were quoting their former price of 19½c., and it could not be accurately determined whether or not they would go along with the 18c. price. Meanwhile, the spread of price quotation on this item continued to be 16c. to 19½c. per gallon, with as yet no change in the outside of the range.

Cresol—Effective July 12, prices were reduced last week on both technical and USP cresols by 2¼c. per pound. Technical material dry above 207 degrees Centigrade was quoted on the new schedule at $0.1125 per pound in tankcars; $0.1255 in drum carlots, and $0.1285 in less than carlot drum quantities. On the USP grade, tankcars were quoted at $0.1150 per pound, while carlot drum quantities were priced at $0.1280 and less than drum carlots at $0.1310 per pound. These prices were on a freight equalized basis.

At press time not all producers had as yet gone along with the new price schedule, but it was felt in most quarters that in view of the competitive condition of the current market, former price schedules would promptly give way to the new lower quotations and such action was under consideration.

Cresylic Acid—Prices were reduced 25c. per gallon last week on both high boil and low boil material. Quotations remained on a freight equalized basis. Acid boiling above 207 degrees Centigrade at the 50 percent point was quoted at 80c. per gallon in tankcars, 91c. in drum carlot, and 94c. in less than carlot drum quantities. Acid boiling at the 50 percent point in the range of 204 to 207 degrees Centigrade was quoted on the new schedule at 85c. per gallon in tankcars, 96c. in carlot drum quantities, and 99c. in less than carlot shipments.

By press time, not all producers had as yet reduced their price schedules to meet the new competitive schedule, but had the matter under advisement. They were expected to promptly follow because under the present plentiful supply position of cresylic materials, the market would not tolerate any marked price spread. Accordingly, for this issue, a price spread was shown in our prices current.

These price quotations refer strictly to domestically produced material. There were being offered on the market substantial quantities of imported acid over a wide price variation but the domestic material commands a premium over imported acid.

Accordingly, imported acid could be said to be indirectly competitive with domestic production, but not directly so. The imported offerings do not make the cresylic acid market which is properly represented by domestic material, but the low price of imported offerings does have an effect upon domestic prices and was considered one of the factors leading to the current price reduction.

Naphthalene—The price structure of naphthalene which moved in previous weeks, was apparently well established on a fairly uniform basis for the balance of the quarter. It was the movement in naphthalene in recent weeks which caused the 1c. decline last week in phthalic anhydride and touched off the consequent reductions in phthalate plasticizers.

Phenol—Phenol was unchanged in price

Coke By-Products

Estimates of by-product cokeoven operations in the week ended July 2 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lbs.	1,077,804
Ammonia sulphate	lbs.	27,908,652
Benzol	gals.	3,517,700
Coaltar	gals.	13,049,533
Creosote oil	lbs.	726,234
Naphthalene, crude	lbs.	2,924,807
Phenol	lbs.	204,253
Toluol	gals.	703,348
Xylol	gals.	158,863

For Late Market Developments, See Page 4

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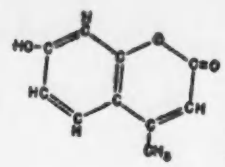

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SOAP PRODUCTS— Use of BMU overcomes slight yellow discoloration of soap, gives desirable blue fluorescence to the bubbles, and lends a whitening effect to washed fabrics.

SUNTAN PREPARATIONS— Koppers BMU has been recommended for use as a screening agent against ultraviolet light in suntan lotions, oils, creams, and similar protective products.

TEXTILES— Koppers BMU has been used in finishing textiles to improve the whiteness of new white goods or the brightness of certain colored fabrics.

PAPER AND PAPER COATING COMPOSITIONS— The use of BMU is suggested as a whitening agent for paper products and certain coating compositions.

OPTICAL SCREENS AND FILTERS— Koppers BMU has been used in the preparation of film for ultraviolet light filters.

FLUORESCENT INDICATORS AND TRACERS— BMU is useful as an indicator in volumetric analysis, and as a marking agent for tracing materials and detecting adulteration.

DYESTUFFS— BMU is suggested as an intermediate for the production of specialty dyestuffs.

PHARMACEUTICALS— The methyl ether of BMU has activity as a hemostatic agent and may find medicinal uses in shortening blood clotting time.

TECHNICAL INFORMATION

Empirical Formula ..... $C_{10}H_8O_2$
Form ..... White to light yellow solid
Melting Point ..... 189.0°C.

Solubility

Solvent	Temperature	Solubility*
Water	25° C.	0.017
Sodium Carbonate (aq. 5% soln.)	25° C.	2.5
Sodium Bicarbonate (aq. 5% soln.)	25° C.	0.02
Sodium Phosphate (aq. 6.5% soln.)	25° C.	2.5
Borax (aq. 3.3% soln.)	25° C.	0.05
Ethanol	90° C.	20
	25° C.	3.7
Benzene	25° C.	0.027
White Mineral Oil	25° C.	0.001

*Per cent by weight, or by parts of BMU per 100 parts of solution.

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and was felt likely not to be affected by the current movement in cresylic materials.

Solvent Naphtha—The demand for solvent naphtha was reported as being well sustained. Most consumers were being supplied promptly from adequate stocks. The price position was firm and felt in most quarters to be in line with other aromatic solvents. Accordingly, no price adjustments during this quarter were expected.

Toluol—This market was characterized by a well sustained demand, and the supply was reported as in a fair balance with demand, no serious shortages having developed.

Xylol—There was nothing new to report in this market last week. Prices were firm, and there was insufficient coaltar xylol available to meet the overall demand.

Intermediates

Orthocresol—The price of this material was reduced last week in which the 29 and 30 degree material was lowered 4¾c. per pound, and the 25 to 27 degree material was lowered 4½c.

The new price schedule effective July 12 set 30 degree material at $0.193 per pound in carlot drum quantities, and $0.196 in less than carlot drum shipments. The 29 to 30 degree material in carlot quantities was listed at $0.183 per pound, while the less than carlot drum quantities were quoted at $0.186. On the 25 to 27 degree material, the price position was one in which the new schedule quoted tankcars at $0.150 per pound, carlot drum quantities at $0.163 and less than carlot drums at $0.166 per pound. These prices were on a freight equalized basis.

Not all producers had as yet reduced their former price schedules to the above, but had the matter under consideration, and were expected to move promptly.

Paracresol—The 98 percent grade was still firm in price, and there was no change reported in the market. The 92 to 94 percent grade was no longer in production.

Phthalic Anhydride—The price of this material was reduced 1c. per pound early last week. The new price schedule of 21½c. per pound in carlots and 22½c. in less than carlot quantities became general throughout the industry quite promptly, in view of the competitive situation which exists in the market. These prices were for material in bags or barrels on a freight equalized basis.

There had been for some time considerable pressure on phthalic anhydride manufacturers to reduce the price of this item, and especially so after the recent reduction in the price of crude naphthalene from which the great bulk of phthalic anhydride is made. Manufacturers of alkyd resins were quite happy about the price reduction. The alkyd resin business has been quite slow for months and in that competitive situation resin prices had been put through a series of price reductions which brought their margin of profit to a minimum. While oils are the major cost item in alkyd resins, the current price reduction in phthalic anhydride would appear to afford some slight relief.

Back of the price reduction in phthalic anhydride lay several factors. The slow resin business in the protective coatings industry and the slow phthalate type plasticizer business in the plastics industry, together with the curtailed operations of the dyestuffs industry as a result of the long textile slump, all tended to reduce the demand for naphthalene and its derivatives of which phthalic anhydride is one. Accordingly, the naphthalene market weakened, and there began to be offered to phthalic anhydride manufacturers and others certain quantities of naphthalene not taken out by contract consumers, at lower than the prevailing market quotations. This led to a reduction of naphthalene prices in line with the quotations on substantial amounts of material being offered. Following this development, the pressure on the oversupplied phthalic anhydride market was sufficient to cause a downward price movement of 1c.

Phthalic manufacturers generally felt that their cost position did not justify any such price reduction as occurred, and certainly that its adoption would not sell a single extra pound of the material. It was just one of those competitive situations characteristic of a market where an oversupply exists for several months.

Tar Acid Oils—The price position of these materials was unaffected last week as a result of the price movement in cresylic acid. A firm price position was expected to be maintained on these items because of previous recent price reductions. The various price adjustments which had been going on over recent

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weeks had apparently stabilized at prices currently quoted in the previous issue.

Xylenol Fractions—The price of these materials was reduced last week by 20c. to 25c. per gallon, depending upon the grade. Fractions with a boiling range of over 7 degrees Centigrade were reduced 25c. per gallon. This brought the new price schedule to 80c. per gallon in tankcars, 91c. per gallon in drum carlots, and 94c. per gallon in less than drum carlot quantities. On the meta fraction of over 7 degrees, the price in tankcars was listed at 85c. per gallon, drum carlots at 96c., and less than carlots at 99c. The meta fraction was reduced 20c. per gallon.

These reductions were in line with cresylic acid declines, but had as yet not become general throughout the industry. Under present market conditions, it was felt likely that prices would promptly become adjusted at this new lower level.

Tanners Council Opposes Argentine-German Treaty

The Tanners Council of America has strongly protested a bilateral trade agreement which reportedly has been negotiated between Argentina and western Germany and which would supply Argentine hides to western Germany in exchange for German goods.

Irving R. Glass, executive vice-president of the council, said in a letter to senators and representatives of all states having tanneries and shoe plants that the council opposed the treaty "because the consequences of bilateral trade are profoundly serious to the tanning industry, to the shoe industry and to consumers of the United States.

"There cannot possibly be any objection by the United States tanning industry to the purchase of raw materials by any nation from any source so long as the principles of free competitive world trade are observed. But bilateral trade arrangements such as the proposed treaty between western Germany and Argentina or the recent Anglo-Argentine treaty whittle away the free supply of hides and skins in foreign countries and deprive the United States of equitable access to historic sources of raw material and supply abroad."

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ORONITE CHEMICAL COMPANY
1949

Textile and Leather Chemicals

Buying interest in textile and leather chemicals continued dull and featureless last week. Consumers limited purchases to actual requirements and continued to keep inventories low. Egg yolk was boosted at least 7 cents per pound, because of scarcity of supplies and fairly active demand. Most producing plants were reported shut down and no improvement in the tight supply condition was expected until early Fall. Acetic anhydride was cut 1c. per pound. Price index was pegged at 317.4, compared with 379.3 a year ago.

The second largest corn crop forecast this year by the government crop report hung over the sizing material market. Demand for corn dextrin and starch continued slow, chiefly for small quantities for prompt delivery. While trading in potato starch was light and spotty, the market was unchanged and steady. Owing to heavy damage to the potato crop in the East, except Maine, the opinion prevailed in the trade that government diversion program may not be necessary this year. Tapioca flour remained unchanged and steady. Tight supply continued to exist in the low grade on spot, while stocks of the better grades were ample to meet current requirements. Sago flour was inactive and easy for shipment.

Tanning materials continued in the doldrums. Business was slow. Interest in replacements lacked snap, though quotations at primary markets were reported steady.

Output of the wool industries continued to decline in April, though production of wool yarn steadied and worsted dropped sharply, according to the Census Bureau. Stocks of sheep wool in the United States declined 39 percent, from 429,100,000 pounds to 261,300,000 pounds during the year ending April 2, 1949. On that date manufacturers and topmakers held 145,100,000 pounds, dealers 49,500,000 pounds and Commodity Credit Corporation, 66,700,000 pounds. Wool consumption averaged 8,200,000 pounds (scoured basis) per week during April, 14 percent below March and 45 percent under the April 1948 average. Both apparel-class and carpet-class wool followed the downward trend.

Market Trends

Prices Advanced
Egg yolk, 7c. per lb.

Prices Reduced
Acetic anhydride, 1c. per lb.

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
317.4	317.4	317.4	379.3

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Prices were reduced 1c. per pound. Tankcars were quoted at 11½c. per pound, freight allowed East, 13c. per pound, drums, carlots and 14½c. for less, same basis. Demand of late has been slow.

Bichromates—Trading continued relatively quiet. Moderate quantities were moving against current contracts, while new business was confined to small lots for immediate delivery. There was no shortage in stocks.

Sulphonated Oils—Recent declines in castor oil and tallow created an easy tone in sulphonated, though quotations were unchanged. Business was slow.

Sizing Materials

Albumin Blood—Outside of spotty demand for immediate delivery, this market was dull and featureless. Albumin and dried soluble blood were quotably unchanged.

Corn Dextrin—Consumers continued to operate in hand-to-mouth manner, preferring to keep inventories low. Prices for all grades were unchanged.

Corn Starch—Buying interest was without improvement as consumers confined demand for immediate requirements. Market was unchanged, with quotations fairly steady. The government crop report forecast a 1949 corn crop at 3,580,000,000 bushels, the second largest comparing with 3,650,548,000 bushels last year which was the biggest on record. Area planted to corn as of July 1 was indicated by the Department of Agriculture at 85,780,000 acres, against 85,439,000 acres harvested in 1948 and the 1938-47 harvested average of 88,617,000 acres. Yield per acre was estimated at 41.2 bushels per acre, against 42.7 bushels harvested last year and 31.4 bushels, the 1938-47 average. Corn stocks on farms July 1 totaled, 1,239,444,000 bushels, compared with 423,006,000 bushels at this time last year and 708,080,000 bushels, the 1938-47, average. The visible corn supply was reduced 520,000 bushels to 9,867,000 bushels for the week ended July 9, compared with 4,305,000 bushels for the same time last year, according to the Chicago Board of Trade.

Egg Albumen—There was little doing in the material last week, with consumers taking small lots for immediate requirements. Market remained steady. Edible flake was quoted at $2.25 to $2.30 per pound, according to quantity and technical at $1.10 to $1.15 per pound, same basis. Department of Agriculture reported the egg production at 4,905,000,000 in June, compared with 5,845,000,000 in May and 5,002,000,000, June last year and 4,697,000,000, the 1938-47 average. Egg production for January-June inclusive was 32,374,000,000 against 32,350,000,000 for the same period last year and 29,755,000,000, the 1938-47 average.

Egg Yolk—This market was sharply higher with fairly active inquiry and the scarcity of stocks due to the light production. Advices from the West stated that low stocks has boosted prices to $1.22 per pound, Chicago for good sized quantities. Locally sellers were not pressing for business and limited sales to regular customers on the basis of $1.22 to $1.30 per pound, as to seller and buyer. No improvement in the tight supply situation was expected until the new drying season starts in September.

Potato Starch—Conditions were quiet, but steady in this market. Although trading was light and spotty, quotations were unchanged and maintained at 5.80c. per pound, carlots, New York delivery and at 7c. to 7¼c. ex-warehouse. Consumers restricted purchases to less carlot quantities for immediate needs. Unsold stocks held by grinders in Maine were estimated at 2,000 tons. Idaho mills also were shut down and recent production was delivered to users in the West. Department of Agriculture indicated the 1949 potato crop at 368,696,000 bushels as of July 1, compared with 445,850,000 bushels, the final for 1948 and 393,403,000 bushels, the 1938-47 average. The yield per acre was estimated at 194.3 bushels, against 212.4 bushels, the 1948 final and 145.5 bushels, the 1937-48 average. Area planted to potatoes was placed at 1,898,000 acres, compared with 2,099,000 acres, harvested last year and 2,730,000 acres, the 1937-48 average.

Sago Flour—Shipments were inactive and quoted nominally at 6c. per pound, carlots, ex-dock, New York. Stocks on the spot were quoted at 7c. to 7¼c. per pound, as to quantity.

Tapioca Starch—Low grades continued in tight supply and stocks on the spot were unavailable. Mediums were unchanged and steady ranging from 8¼c. to 9½c. per pound, as quality and quantity. High grade was held at 10c. to 10¼c., same basis. Arrivals totaled 5,184 bags at New York last week.

Tanning Materials

Cutch—Available stocks at primary centers were reported scarce. This kept the market for replacements steady. Inquiry for shipment was fairly active, but limited offerings restricted trading.

Mangrove Bark—Business was quiet. Offers for shipment from Africa were reported scarce. Prices were unchanged and merely nominal.

Myrobalans—Demand for replacements was sporadic, and chiefly for limited quantities for immediate shipment to replenish low inventories. Quotations at primary markets were unchanged and well held. Imports were indicated at 4,610 bags at New York last week, against previous orders.

Quebracho Extract—There was no improvement in the light demand for prompt shipment. Tanners continued to operate in a hand-to-mouth manner. Imports were reported at 7,370 bags at New York and 10,120 bags at Baltimore last week.

Wattle — Although trading continued light and spasmodic, the primary market remained steady. Replacements of bark and extract were held at unchanged quotations. Tanners interest was confined to prompt shipments. Arrivals of wattle bark were reported at 1,650 bales at Baltimore, 3,300 bales at Norfolk, and 7,145 bales at Philadelphia last week.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Price movements in this market were confined to a reduction of 25 cents per pound on menthol as this item showed a tendency to weaken, and a $4 per long ton decrease in castor beans in which there was as yet little trading. The index declined 0.8 point, becoming 262.0.

The price structure on alcohol established at the beginning of the month was holding essentially unchanged, while the expected drop in business volume because of intensive consumer buying in advance of the price rise had developed as all producers felt it would. Moreover, alcohol sales were expected to maintain an unusually low level all of July and probably August.

In most of the organic chemicals, the general feeling was that during the vacation periods of July and August, when many plants close down, business would likely be worse that it has been since the beginning of the decline in early March. However, the consensus was that after September 1 a distinct upturn in business volume could be expected with some confidence. Particularly, those chemicals used in the plastic and textile industries were expected to be in greater demand, since these industries have long been in a serious slump and were expected to pull out of it this Fall.

Chemical solvents maintained a firm price structure all during the month and it appeared that stability would be characteristic of these materials all during the third quarter. Supplies were abundant against a demand that could not be described as better than moderate.

Amines and animo acids were in a steady position pricewise, while supplies were generally described as ample and prompt shipment could be made in any normal quantity from substantial stocks. Drugs were in moderate demand, business being off generally compared to a year ago according to estimates made in the industry. However, it was reported that most of the industry had effected economies in operation which under the existing stable price structure enabled it to not be too hard hit by the decline in business volume. Moreover, the usual seasonal upswing in business which develops in the drug industry around November was expected to afford a Fall business improvement.

Acid, Diglycolic—This material was firmly quoted at 22 cents per pound in bags on an f.o.b. works basis. Supplies were reported adequate to meet all calls with prompt shipment. Demand was showing an overall tendency toward growth as wider use of this newer commercially available acid was being made.

Alcohol—Business in this item was very slow, and was expected to maintain a particularly low level during all of this month and most of next, primarily because of heavy consumer inventories which were loaded up prior to the recent price advance. The new higher level of quotations established July 1 were holding firm all along the line.

Actual quotations did not depart from those published and distributed by producers at the beginning of the second quarter. However, there was a tendency in some quarters to offer long term supply contracts at a small percentage discount, which was one way of offering contract consumers material at a somewhat lower than market price without actually reducing regular quotations. Most producers, however, adhered rigidly to listed prices for either spot or contract purchases. It was reported that large consumers showed little disposition to tie themselves up with contracts and were for the most part not interested in shifting suppliers in favor of contracts at a discount.

Camphor—This market was generally slow, and shipments could be had promptly from abundant stocks. Prices were firm, and expected to remain so indefinitely.

Castor Oil—Oil prices were firm. The market on castor beans was somewhat easier, with little trading. Prices were off $4 per ton, declining from $107 to $103 per long ton.

It was reported that after a considerable period of inactivity, shipments of beans from Brazil to the United States gained momentum late in June. Prices paid were reported in the range of $103 to $108 per metric ton in northeastern Brazil.

Arrivals of beans last week amounted to 2,875 bags equivalent to 431,250 pounds compared with 3,616 bags or 542,400 pounds the previous week, and 12,966 bags or 1,944,900 pounds during the corresponding week of 1948.

Total arrivals since January 1 of this year amounted to 941,432 bags equivalent to 141,214,800 pounds, compared to 691,761 bags or 103,764,150 pounds during the corresponding period of last year.

Chloroform—The technical grade of this material was unchanged in price, being quoted at 16c. per pound in the East in tankcars, 20c. per pound in drum carlots and 22c. in less than carlot drum quantities. In the West prices were 1c. per pound higher for drum shipments and 2c. per pound higher for tankcar shipments.

Cocaine—This narcotic alkaloid and its salts were in a steady demand under a firm price position, it was reported. No change in the market could be foreseen in the immediate future.

The November 19, 1894, issue of Oil, Paint and Drug Reporter cites an interesting bit of history on cocaine in an editorial on cocoa leaves and cocaine in which it reported:

"The dry alkaloid costs two hundred and twenty-five dollars to import, but the success of home manufacturers to place the drug on the market will have the effect of lowering prices.

The anesthetic effect of cocaine alkaloid was discovered in Germany shortly before this date. Dr. Squibb had just published in his magazine, *Epheremis (July,* 1884), a confession that cocoa leaves as such when used in this country by chewing or infusion had no more stimulating effect than ordinary tea and that, therefore, he was removing cocoa leaves from his list. The ink was hardly dry when a letter written by Henry D. Noyes, a New York doctor in Germany to Dr. Squibb himself, stated that a medical student named Koller has discovered that a solution of cocaine hydrochloride possessed marvelous properties as a local anesthetic. This was in November, 1884, and the letter was written at Kreuznach."

Decanol—Technical grade of normal decanol was reported as in adequate supply with prices holding firm at 32c. per pound in tankcars, 34½c. in drum carlots, and 36½c. in drum quantities of less than carlots. Demand was relatively steady.

Ethyl Acetate—The output of 85 percent ethyl acetate in April was reported by the Tariff Commission as 6,436,267 pounds, a figure almost identical with that of the previous month. No production figures were available on the other grades.

The price structure on all three grades of ethyl acetate appeared to be solidly firm. There were ample reasons why the price of this solvent should be adjusted upward, mainly because the current price position lies uncomfortably close to manufacturing costs. However, the feeling was expressed in most quarters that the competitive situation which exists between ethyl acetate and certain of the low priced ketone solvents is such that current price schedules would have to be maintained.

Ethyl Ether—This material in line with solvents generally was in lower demand recently. There were no changes in price expected and a firm position has been maintained over recent weeks. The combined output of both technical and USP material in April was reported as 2,886,238 pounds, compared with 3,114,633 pounds during the previous month.

Ethyleneglycol—This market was in its usually steady position with prices unchanged and demand holding up better than it was reasonable to expect. April output was reported as 36,089,336 pounds, compared with March production of 38,210,807 pounds, both months being substantially larger than January and February output.

Fishliver Oils—The Los Angeles market was described as generally weak but over the last few days prices tended to

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

Castor beans, $4 per long ton.
Menthol, 25c. per lb.
Penicillin, bulk, ½c. to 1¼c. per 100,000 units.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
262.0	262.8	263.8	260.1

(For Current Prices see Page 9)

increase. Accordingly, current quotations in the Los Angeles area stood at 20c. to 22c. for 8,000 to 15,000 unit oil; 26c. to 28c. for 20,000 to 25,000 unit oil; 30c. to 31c. for 30,000 to 40,000 unit oil; 32c. for 50,000 unit oil; 33c. to 35c. for 100,000 unit oil; and 36c. to 38c. for 150,000 to 200,000 unit oil.

Formaldehyde—The price position of formaldehyde continued firm and there was no change expected in the immediate future. Business was reported continuing slow and likely to remain so during July and August during which there were wide spread vacation shut downs of formaldehyde consumer plants. An upward trend in demand was rather confidently looked for in most quarters following September 1. If a substantial increase in business does not develop in late September and early October, then the expected Fall rise in business would be unlikely to make its appearance just as the expected Spring rise failed to develop.

Hydrogen Peroxide—The price structure of this item remained firm and has not changed in several months. Tankcars of 35 percent material were listed at 19¾c. per pound. In carboys East of the Mississippi or on the west coast via of the Panama Canal, the 27½ percent material was listed in the range of 17½c. to 19½c. per pound.

Iron by Hydrogen—This material was steady, holding to former price schedules in which five or more kegs were quoted at 80c. per pound and one to four kegs at 85c. per pound.

Menthol—The spot market on menthol was lower last week by 25c. per pound as quotations declined from $10.75 to within the range of $10.50 to $10.60 per pound. Little trading was reported. Imports last week amounted to 272 cases.

Methanol—There was continued slow demand in the market for this item, and supplies were abundant to the point where the market could be said to be oversupplied. This situation is not new, however, and has been characteristic of the market over recent weeks. There was no change in producer price schedules, but occasional price shading and individual price concessions were not foreign to this current acutely competitive market.

The slow market situation was due in large part to two factors:—The long continued slump in the plastics industry with consequent less demand for formaldehyde resinous condensates the formaldehyde portion of which is made from methanol, and the heavy antifreeze inventories left in distributers hands from last year as a result of the generally mild weather nationwide. The plastics industry was expected to show appreciable improvement after September 1, and this should improve the demand for formaldehyde and consequently for methanol. As for the antifreeze demand, the feeling was generally expressed that demand this year would be somewhat less than last year by virtue of heavy inventories now on hand. An abnormally cold winter would, however, improve the situation.

Milk Powder—Skimmed milk powder prices were unchanged. The peak production period was passed during June, and currently the supply situation was heavy but less so than heretofore. Meanwhile, demand was reported as slightly better. CCC purchases during the July 5 to July 7 period were made at the parity level and amounted to 4,287,506 pounds of spray process skimmed powder and 2,836,606½ pounds of roller process skimmed material. Total government purchases this season through the month of June totaled some 149 million pounds of spray process skimmed milk powder and 88 million pounds of roller process material.

Milk Sugar—This material was reported in quite ample supply, and prices were unchanged from levels prevailing over a long period. Price stability has been the main feature of this market over an extended period, and for only a brief time just after the war the price got above the OPA level maintained during the war. It was quickly reduced again to the OPA level and maintained that position firmly.

Monomethylamine—On a 100 percent basis, the price of this item was firmly quoted at 31c. per pound in tankcars, 35c. in drum carlots, and 35½c. in less than carlot drum quantities. No change was expected to develop in the price structure in the immediate future. Supplies were reported as quite ample to meet the currently lower industrial consumer demand.

Nonyl Alcohol—The nonyl alcohol chemically designated as 3,5,5-trimethylhexanol was reported commercially available in substantial quantities under a firm price structure in which tankcars were quoted at 28c. per pound. Drum carlots were listed at 28½c. and less than carlot drum quantities at 30c. These prices were f.o.b. Belle, West Virginia.

Octanol—Normal octanol of the technical grade was quoted on a delivered basis at 32c. per pound in tankcars, 34½c.

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Paraformaldehyde—Prices were firm on this item and in all grades. The 91 percent flake formaldehyde was commanding considerable attention and technical interest particularly in the plastics and resin industry. A comparable grade of material in powder form was expected to become commercially available in a matter of weeks, presumably at roughly a two cent premium over the flake material.

Penicillin—Bulk prices were reduced late last week ranging with the various salts from ½c. to 1¼c. per 100,000 units. The new price schedule quoted calcium amorphous USP bulk material in 100,000,000 units at 5¼c. per 100,000 units and varied as to increasing lot quantities down to 4½c. per 100,000 units for 25,000,000,000 unit lots.

Potassium crystalline material in bulk lots was quoted at 6½c. per 100,000 units in lots of 100,000,000 units and ranged down to 5¾c. per 100,000 units for lots of 25,000,000,000 units. Bulk quantity prices in the same lots were quoted at the same level as potassium crystalline material, for the procaine crystalline and the sodium crystalline penicillin.

Comparable price adjustments were made in distributors unlabeled bulk vials of various quantities. These latest quotations for each grade and vial size are shown in our prices current section.

Perchlorethylene—The market for this material was characterized by a notable price stability, but with demand off somewhat from former levels in line with business generally. Supplies were adequate to meet current demand. Some new production which was either recently on the market, or soon due to come on the market, stemming from two or three different sources was looked upon as not particularly threatening to the market as a whole. It was felt in some quarters that the added production would be absorbed into the market without too adversely affecting prices or inventories.

Sodium Perborate—This material maintained a firm price position in which carlots were quoted at 18¾c. and less than carlots at 19¼c. per pound f.o.b. works. Supplies were reported as adequate, and there was no indication of any immediate change in the market.

Sulpha Drugs—The price position of the various sulpha drugs was firm and unchanged from previous levels, with the exception of sulphathiazole as reported in the previous issue when on July 1 there was a narrowing of the differential between large and small quantity lots. Prompt deliveries were available. April output of the various sulpha drugs was reported to total 559,461 pounds, compared with 571,286 pounds during March.

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Current Prices

—Continued from page 37

Yellow, chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, tracts lb. .30¼- —

Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l., works lb. .0166- .0275
French type, bgs., c.l. lb. .04½- —
l.c.l. lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth. bgs., c.l. works lb. .09 - —
l.c.l. works lb. .09¼- —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼ .02¼
Zinc, bbls. same basis as chrome lb. .23½- —
Yellow dock root, bls lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb. .30 - .35
Yohimbine hydrochloride vls oz. 3.25 4.00

Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - —
Zinc acetate, tech., bbls., dms lb. .26¼- —
NF, dms. lb. .38 - —
Arsenite, bgs., c.l., frt. alld. E of Rockies lb. No stocks.
l.c.l., same basis lb. No stocks.
Borate, bgs., c.l., ship't pt., frt. alld., E lb. .12 - .15½
frt. alld. Pac. Coast lb. .15 - .17½
l.c.l., ship't pt., frt. alld. E lb. .12½- .16
frt. alld. Pac. Coast lb. .16¾- .19¼
Carbonate, tech., rubber makers, bbls., works lb. .10¾- —
precip., powd., dms lb. 26 - —
Purified precip., dms lb. 37 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.40 - —
gran., bbls., c.l., works 100 lbs. 7.75 - —
l.c.l., works 100 lbs. 8.15 - —
solution, 50%, dms., c.l., works, 100 lbs. 3.90 - —
l.c.l., works 100 lbs. 4.50 - —
tanks, works 100 lbs. 3.25 - —
NF, gran., dms lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .38 - .41
Diethyldithiocarbamate, dms., wks. lb. 1.00 - —
Dust, bbls., c.l., works lb. .11¾- —
l.c.l., works lb. .12¾- —
Fluoride, bbls., works lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼- —
l.c.l. lb. .17¾- .18
Iodide, NF, jars lb. 4.85 - —
Laurate, bbls lb. .45 - .46
Linoleate, solid, 9½%, bbls lb. .50 - —
Metal slabs, E. St. Louis lb. .09 - —
Naphthenate, liquid, 8% Zn., frt. alld. lb. .20¾- —
10% Zn, dms., frt. alld lb. .25½- —
Oleate, bbls lb. .42¼- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld. lb. .10 - —
l.c.l., works lb. .10¼- —
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld. lb. .10 - —
l.c.l., works lb. .10¼- —
leaded, 5%, bgs., c.l., ship't point, frt. alld. lb. .10 - —
l.c.l., works lb. .10¼- —
35%, bgs., c.l., ship't point, frt. alld. lb. .11¼- —
l.c.l., works lb. .11⅝- —
50%, bgs., c.l., ship't point, frt. alld. lb. .11⅝- —
l.c.l., works lb. .11⅞- —
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld. lb. .12¼- —
l.c.l., works lb. .12½- —
green seal, bgs., c.l., ship't point, frt. alld. lb. .11¾- —
l.c.l., works lb. .12 - —
red seal, bgs., c.l., ship't point, frt. alld. lb. .11¼- —
l.c.l., works lb. .11½- —
white seal, bgs., c.l., ship't point, frt. alld. lb. .12¼- —
l.c.l., works lb. .12½- —
USP, ctns., c.l., ship't point, frt. alld. lb. .13¼- —
l.c.l., same basis lb. .13½- —
Zinc oxide Pac. coast prices &c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphonate, NF, gran., bbls., dms lb. .28 - .29
powd., bbls. lb. .31 - .32
Resinate, fused, 1% Zn., dms., frt. alld. lb. .20 - —
precip., dms., frt. alld lb. .22 - —
Silicofluoride, bbls., works lb. .10 - .10½
Stearate, tech., USP, ctns., c.l. lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld. 100 lbs. 4.55 - —
l.c.l., same basis 100 lbs. 4.95 - —
flake, 25½%, Zn, bgs., c.l., works 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 5.70 - —
powd., 36% zn., bgs., c.l., dlvd. same basis 100 lbs. 7.00 - 7.40
l.c.l., same basis 100 lbs. 7.40 - 7.75
Zinc sulphate in bbls. 40c. higher
USP, gran., dms lb. .22 - .22½
Sulphide, pure, bgs., c.l., frt. alld. lb. .12¼- —
l.c.l., works lb. .12½- —
Barium pigment, bgs., c.l., dlvd. lb. .07¾- —
l.c.l., works lb. .08 - —
Calcium, pigment, bgs., c.l., dlvd lb. .07¾- —
l.c.l., works lb. .08 - —
Luminescent pigment, frt. alld. lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd lb. .07¾- —
l.c.l., dlvd. lb. .08 - —
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., bags, works 100 lbs. 7.40 - —
Zinc-cadmium sulphide, fluorescent, ens., frt alld lb. 2.00 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .23 - .23½
normal, dms., works lb. .43 - .45
Zircon (see Zirconium silicate).
Zirconium acetate, 13% sol. ZrO_2, bbls., works lb. .21¼- —
Carbonate, basic, cake, bbls., works lb. .30½- —
Hydride, ens., works lb. 7.00 - —
Nitrate, dms., works lb. 1.75 - —
Oxide, 98½-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., works lb. .44 - —
5 tons, works lb. .44½- —
1 ton or less, works lb. .45 - .48
milled, electric-fused, bgs., c.l., works lb. .59 - —
5 tons, works lb. .59½- —
1 ton or less, works lb. .60 - .63
Oxychloride, cryst., ctns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works, lb. .03¼- .03¾
10 tons, works lb. .03½- .04
5 tons, works lb. .04 - —
1 ton or less, works lb. .04¼- .04¾
milled, bgs., c.l., works lb. .04½- —
5 tons, works lb. .05¼- —
1 ton or less works lb. .05¾- .06¾
refined, bgs., c.l., works lb. .11 - —
5 tons, works lb. .11½- —
1 ton or less, works lb. .12 .16
Sulphate, cryst., ctns., c.l., works lb. .37½ —
5 tons, works lb. .38 - —
1 ton or less, works lb. 38½ .39

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials, last printed in the May 2 issue of OPD, has been discontinued.

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ETHINYL TESTOSTERONE (ANHYDROHYDROXYPROGESTERONE U.S.P.)
DESOXYCORTICOSTERONE ACETATE U.S.P.
DESOXYCORTICOSTERONE GLUCOSIDE
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Ceramic—Solvent in compositions, containing nitrocellulose, used as coatings for protecting and decorating ceramic articles.

Chemical—Solvent for nitrocellulose. Studied for use in making flotation agents, inhibitors, plasticizers, rubber chemicals.

Cosmetic—Solvent in nail enamels and lacquers containing nitrocellulose as base material.

Electrical—Solvent in insulating compositions, containing nitrocellulose, used for covering wire and in making electrical machinery and equipment.

Glass—Solvent in compositions, containing nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Solvent in compositions, containing nitrocellulose, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Solvent in coating compositions, containing nitrocellulose, used for protecting and decorating metallic articles.

Miscellaneous—Solvent in coating compositions, containing nitrocellulose, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Solvent in paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose.

Paper—Solvent in compositions, containing nitrocellulose, used in the manufacture of coated papers and for protecting and decorating articles made of paper or pulp.

Photographic—Solvent in making films from nitrocellulose.

Plastics—Solvent in making laminated-fiber and molded articles, and plastic materials from nitrocellulose.

Resins—Solvent for resin-cellulose derivative compositions and solutions.

Rubber—Solvent in coating compositions, containing nitrocellulose, used for decorating and protecting rubber goods.

Stone—Solvent in coating compositions, containing nitrocellulose, used for decorating and protecting artificial and natural stone.

Textile—Solvent in compositions, containing nitrocellulose, used in the manufacture of coated fabrics.

Wood—Solvent in compositions, containing nitrocellulose, used as protective and decorative coatings on wood or for many filling and repairing purposes on wood.

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FDA Subpena Power

—*Continued from page 3*

there are other provisions of law that cover this matter. However, he added that he could recall no instance where information had been refused at a hearing on the grounds that it would reveal trade secrets. On the other hand, he stated, information has been refused because the witness would have preferred the protection afforded by subpena. This is particularly true in dealings between a doctor and his patient and hospitals and patients.

Dunn Asks Year's Delay

The importance of the bill from the standpoint of changing a cooperative relation between industry and the agency was cited by Charles Wesley Dunn, general counsel for the Associated Grocery Manufacturers of America and the American Pharmaceutical Manufacturers Association, and amplified in later testimony by H. Thomas Austern, counsel for a number of grocery firms.

Mr. Dunn said that he was inclined to favor the bill if it was found to be a necessary strengthening of the hand of FDA, but asked that it be put over for a year until it could be discussed and studied fully by the food and drug industries. He said that the question of subpena powers for FDA has been made a matter for discussion at the forthcoming meeting of the food and drug division of the American Bar Association in St. Louis on September 7 and will be further investigated by a subcommittee of the association later in the year.

Mr. Austern expressed a fear that the bill may forestall effective administration of the law and raised important constitutional questions, such as unwarranted search and seizure and self-incriminating testimony. He also questioned the right to allow the administrator of the Federal Security Administration to delegate such important powers as the sanctioning of the issuance of subpenas to subordinates, and said that the bill appeared to go much further in granting subpena powers to a government agency that has heretofore been allowed by Congress even to a quasi-judicial agency, such as the Federal Trade Commission.

Divet Supports Measure

Support for the bill was expressed by Donovan Divet, attorney for the Federal Trade Commission, who said that the bill gives FDA "substantially the same powers conferred upon FTC" with these differences:—

"1. The Federal Trade Commission act only authorizes the commissioners to sign subpenas. The proposed admendment authorizes the administrator or such officer or employee as he may designate for that purpose. The amendment thus effects an administrative improvement.

"2. The proposed amendment allows the administrator to require the attendance of witnesses and the production of documents from any place in the United States or any territory, district or possession thereof. The Federal Trade Commission act uses only the words "may be required from any place in the United States, at any designated place of hearing." The proposed amendment is more definite in this respect and therefore an improvement.

"3. The proposed amendment permits the administrator to invoke the aid of the courts in case of contumacy or refusal, to obey a subpena. The commission may invoke the aid of the courts in case of failure to obey a subpena. This seems to me to mean that the aid of the courts could be invoked by the administrator in cases of wilful contempt. I can see no objection to this enlargement.

"4. The authority to require an appearance before the commission is given to United States District Courts. The proposed amendment gives this authority to any court within the jurisdiction.

"The proposed amendment seems on the whole to be an improvement on the similar provisions of the Federal Trade Commission act. The provisions of the Federal Trade Commission act have worked well; I believe the provisions of the proposed amendment would work at least as well.

"The proposed amendment confers on the administrator no more authority than is necessary for the efficient use of the investigatory powers already conferred on him, and in my opinion should be adopted."

Laning Issues Price List

E. M. Laning Company, importer and manufacturer of perfume raw materials, Irvington, N. J., has published a new price list.

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Intermediates Sales and Production Statistics: 1948

Statistics on production and sales of intermediates in the United States during 1948 have been included in the Tariff Commission's preliminary report on the synthetic organic chemicals industry. The data are as follows, in pounds:—

	Production	Sales
Acetanilide, tech	3,408,000	2,563,000
N-Acetylsulphanilyl chloride (p-Acetamidobenzenesulphonyl chloride)	2,557,000	63,000
p-Aminoacetanilide (Acetyl-p-phenylenediamine)	422,000	120,000
5-Amino-2-anilinobenzenesulphonic acid (4-Aminodiphenylamine-2-sulphonic acid)	57,000	.....
2-(p-Aminoanilino)-5-nitrobenzenesulphonic acid	53,000	.....
1-Aminoanthraquinone and salt	820,000	.....
2-Aminoanthraquinone and salt	1,225,000	.....
6-Amino-3,4'-azobis(benzenesulphonic acid) (Aminoazobenzene disulpho acid)	78,000	.....
6-(m-Aminobenzamido)-1-naphthol-3-sulphonic acid (m-Aminobenzoyl J acid)	31,000	.....
6-(p-Aminobenzamido)-1-naphthol-3-sulphonic acid azobenzene disulpho acid)	78,000	.....
2-Amino-p-benzenedisulphonic acid (Aniline-2,5-disulphonic acid)	60,000	.....
1-Amino-4-bromo-2-anthraquinonesulphonic acid (Bromamine acid)	122,000	.....
2-Amino-4-chloro-1-phenol-6-sulphonic acid	95,000	.....
2-Amino-5-chloro-p-toluenesulphonic acid (Lake red C amine)	768,000	.....
1-Amino-2,4-dibromoanthraquinone (Dibromoaminoanthraquinone)	85,000	.....
5-Amino-6-ethoxy-2-naphthalenesulphonic acid	12,000	.....
3-Amino-1,5-naphthalenedisulphonic acid (Cassella acid)	321,000	42,000
6-Amino-1,3-naphthalenedisulphonic acid (Amino I (J) acid)	2,272,000	.....
7-Amino-1,3-naphthalenedisulphonic acid (Amino G acid)	1,515,000	.....
8-Amino-1,6-naphthalenedisulphonic acid (1-Naphthylamine-3,8-disulphonic acid)	179,000	.....
5-Amino-1-naphthalenesulphonic acid (Laurent's acid)	397,000	.....
5-Amino-2-naphthalenesulphonic acid (1,6-Cleve's acid)	339,000	.....
2-Amino-1-naphthalenesulphonic acid (Tobias acid)	3,521,000	1,685,000
5(and 8)-Amino-2-naphthalenesulphonic acid (Cleve's acid, mixed)	443,000	36,000
6-Amino-2-naphthalenesulphonic acid (Broenner's acid)	94,000	.....
8-Amino-1-naphthalenesulphonic acid (Peri acid)	478,000	.....
8-Amino-2-naphthalenesulphonic acid (1,7-Cleve's acid)	385,000	.....
8-Amino-1,3,6-naphthalenetrisulphonic acid (Koch acid)	6,051,000	.....
8-Amino-1-naphthol-5,7-disulphonic acid (Chicago acid), monosodium salt	173,000	.....
8-Amino-1-naphthol-3,6-disulphonic acid (H acid), monosodium salt	6,185,000	.....
1-Amino-2-naphthol-4-sulphonic acid (1,2,4-acid)	1,529,000	.....
6-Amino-1-naphthol-3-sulphonic acid (J acid), sodium salt	1,304,000	137,000
7-Amino-1-naphthol-3-sulphonic acid (Gamma acid), sodium salt	1,536,000	227,000
2-Amino-5-nitrobenzenesulphonic acid (p-Nitroaniline-o-sulphonic acid	104,000	.....
2-Amino-4-nitrophenol (p-Nitro-o-aminophenol)	196,000	57,000
o-Aminophenol	118,000	34,000
p-Aminophenol and salts	800,000	728,000
2-Amino-1-phenol-4-sulphonic acid (o-Aminophenol-p-sulphonic acid)	73,000	.....
m-(p-Aminophenylazo)benzenesulphonic acid (Aminoazobenzene-m-sulphonic acid)	139,000	.....
p-(p-Aminophenylazo)benzenesulphonic acid (Aminoazobenzene-p-sulphonic acid)	290,000	.....
2-Aminothiazole	290,000	.....
4-Amino-m-toluenesulphonic acid (o-Toluidine-m-sulphonic acid)	274,000	.....
5-Amino-o-toluenesulphonic acid (p-Toluidine-p-sulphonic acid)	235,000	.....
4-(4-Amino-m-tolylazo)-m-toluenesulphonic acid (o-Aminoazotoluenesulphonic acid) and salt	6,000	.....
2-Amino-3,5-xylenesulphonic acid (m-Xylidenesulphonic acid)	20,000	.....
Aniline (Aniline oil)	92,053,000	38,702,000
Anilinomethanesulphonic acid (Aniline omega sulphonic acid) and salt	185,000	.....
8-Anilino-1-naphthalenesulphonic acid (Phenyl Peri acid)	366,000	.....
6-Anilino-1-naphthol-3-sulphonic acid (Phenyl J acid)	147,000	.....
7-Anilino-1-naphthol-3-sulphonic acid (Phenyl gamma acid)	122,000	.....
Anisic acid	53,000	.....
o-Anisidinomethanesulphonic acid (o-Anisidine-omega-sulphonic acid)	55,000	.....
Anthraquinone-1,5-disulphonic acid	686,000	.....
Anthraquinone-2,6-disulphonic acid and salt	332,000	.....
1-Anthraquinonesulphonic acid and salt	1,673,000	.....
Anthrarufin (1,5-Dihydroxyanthraquinone)	353,000	.....
Benzaldehyde, tech	1,500,000	.....
1-Benzamido-3-chloroanthraquinone (1-Chloro-3-benzamideanthraquinone)	76,000	.....
7-Benz[de]anthracen-7-one (Benzanthrone)	1,158,000	.....
Benzidine hydrochloride and sulphate	3,658,000	.....
Benzoic acid, tech		488,000
o-Benzoylbenzoic acid	4,038,000	.....
4-(N-Benzyl-N-ethylamino)-o-toluenesulphonic acid Ethylbenzyl-m-toluidinesulphonic acid)	35,000	.....
4,4'-Bis(dimethylamino)benzohydrol (Michler's hydrol)	47,000	.....
4,4'-Bis(dimethylamino)benzophenone (Michler's ketone)	151,000	.....
3-Bromo-7-benz[de]anthracen-7-one (Bromobenzanthrone)	205,000	.....
3-Carboxy-2(and 4)-hydroxybenzenediazonium sulphate (Diazosalicylic acid)	66,000	.....
Chloroacetoacetanilide, (o and p) (o(and p)-Acetoacetochloroanilide)	205,000	.....
4-Chloro-o-anisidine (NH_2=1) (5-Chloro-2-amino-anisole)	129,000	.....
1-Chloroanthraquinone	183,000	.....
2-Chloroanthraquinone	797,000	.....
Chlorobenzene (mono)	303,056,000	28,749,000
1-Chloro-2,4-dinitrobenzene (Dinitrochlorobenzene)	8,092,000	.....
1-Chloro-2-methylanthraquinone	282,000	.....
2-Chloro-4-nitroaniline (o-Chloro-p-nitroaniline)	493,000	.....
4-Chloro-2-nitroaniline (p-Chloro-o-nitroaniline)	416,000	259,000
4-Chloro-2-nitrotoluene (o-Nitro-p-chlorotoluene)	479,000	.....
a-Chlorotoluene (Benzyl chloride)	7,812,000	3,864,000
4-Chloro-o-toluidine (2-Amino-4-chlorotoluene) (Red KB base)	274,000	.....
5-Chloro-o-toluidine (2-Amino-5-chlorotoluene) (Fast red TR base)	71,000	.....
4-Chloro-o-tolylmercaptoacetic acid (Chlorotolylthioglycolic acid)	87,000	.....
Cresols, total[1]	18,384,000	15,820,000
Cresols (o-), (m-), and (p-)	3,991,000	2,956,000
Cresol (meta, para)	7,692,000	6,506,000
Cresol (ortho, meta, para)	6,701,000	6,358,000
Cresylic acid, refined[1]	33,231,000	26,273,000
1,4-Diaminoanthraquinone	51,000	.....
1,5-Diaminoanthraquinone	239,000	.....
2,6-Diaminoanthraquinone	161,000	.....
2,4-Diaminobenzenesulphonic acid (m-Phenylenediamine sulphonic acid)	165,000	.....
4,4'-Diamino-3,3'-biphenyldisulphonic acid (Benzidinedisulphonic acid)	10,000	.....
4,4'-Diaminodiphenylamine-2-sulphonic acid	47,000	.....
N,N'-Di(m-amino-hexyl)oxamide (Oxamide (oxolyl-m-phenylenediamine))	28,000	.....
4,4'-Diamino-2,2'-stilbenedisulphonic acid	494,000	.....
4,5'-Dibenzamido-1,1'-iminodianthraquinone(1-(4-Benzamido-1-anthraquinonylimino)-5-benzamidoanthraquinone)	185,000	.....
2,5-Dichloroaniline and hydrochloride (1,4-Dichloroaniline)	653,000	263,000
1,5-Dichloroanthraquinone	62,000	.....
o-Dichlorobenzene	14,508,000	10,851,000
p-Dichlorobenzene	34,501,000	31,078,000
o(and p)-Dichlorobenzene	6,600,000	4,304,000
3,3'-Dichlorobenzidine and sulphate (o,o'-Dichlorobenzidine)	517,000	.....
1,4-Dichloro-2-nitrobenzene (Nitro-p-dichlorobenzene)	1,260,000	.....
1-(2,5-Dichloro-4-sulphonyl)-3-methyl-5-pyrazolone	271,000	23,000
2,5-Dichlorosulphanilic acid (2,5-Dichloroaniline-4-sulphonic acid)	115,000	.....
4,5-Dihydroxy-2,7-naphthalenedisulphonic acid (Chromotropic acid)	205,000	.....
4,5-Dihydroxy-1-naphthalenesulphonic acid (Dioxy S acid)	26,000	.....
16,17-Dihydroxyviolanthrone (Dihydroxydibenzanthrone)	336,000	.....
3,3'-Dimethoxybenzidine	651,000	.....
N,N-Dimethylaniline	7,000,000	.....
2,2'-Dimethyl-1,1'-bianthraquinone (Dimethyldianthraquinonyl)	139,000	.....
N,N-Dimethyl-p-nitrosoaniline (p-Nitrosodimethylaniline)	17,000	.....
p-(2,4-Dinitroanilino)phenol (Dinitrohydroxydiphenylamine)	106,000	....
4,4'-Dinitro-2,2'-stilbenedisulphonic acid	875,000	.....
8-Diphenylamino-1,6-naphthalenedisulphonic acid (Diphenyl epsilon acid)	79,000	.....
1,4-Di-p-toluidinoanthraquinone (1,4-Di-p-toluinoamidoanthraquinone)	38,000	.....
N-Ethylaniline, refined	1,051,000	.....
a-(N-Ethylanilino)-p-toluenesulphonic acid (Ethylsulphobenzylaniline)	592,000	.....
Ethylbenzene	398,041,000	.....
p-Ethylphenol	1,000	.....
N-Ethyl-N-phenylbenzylamine (N,N-Ethylbenzylaniline)	645,000	.....
Ethylphenylmalonic acid, diethyl ester (Phenylethylmalonic acid, diethyl ester)	275,000	.....
p-Hydrazinobenzenesulphonic acid (Phenylhydrazine-p-sulphonic acid)	98,000	.....
3-Hydroxy-2-naphthoic acid	2,768,000	941,000
1,1'-Iminobis(4-benzamidoanthraquinone) (4,4'-Dibenzoyldiamino-1,1'-dianthrimide)	106,000	.....
6,6'-Iminobis(1-naphthol-3-sulphonic acid (I or J acid imide) (Rhoduline acid)	56,000	.....
1,1'-Iminodi-4-aminoanthraquinone (4,4'-Diamino-1,1'-dianthrimide)	170,000	.....
1,1'-Iminodianthraquinone (Dianthrimide)	167,000	.....
Isoviolanthrone (Isodibenzanthrone)	75,000	.....
Leuco-1,4-diaminoanthraquinone	17,000	.....
Leuco quinizarin (1,4,9,10-Anthratetrol)	79,000	.....
Metanilic acid	922,000	.....
2-Methyl-1-nitroanthraquinone . 1-Nitro-2-methylanthraquinone)	50,000	.....
3-Methyl-1-phenyl-5-pyrazolone (Developer Z)	990,000	533,000
3-Methyl-1-(p-sulphenyl)-3-pyrazolone (Sulphophenylmethylpyrazolone)	76,000	.....
Naphthalene, solidifying 79° C. or above (refined flake): From American crude naphthalene	93,636,000	48,585,000
1,5-Naphthalenediol (1,5-Dihydroxynaphthalene)	55,000	.....
1,5-Naphthalenedisulphonic acid	550,000	.....
2-Naphthalenemercaptoacetic acid (B-Naphthylthioglycolic acid)	135,000	.....
p-Naphthionic acid, sodium salt (4-Amino-1-naphthalenesulphonic acid, sodium salt)	2,778,000	278,000
1-Naphthol (a-Naphthol)	758,000	324,000
2-Naphthol3,6-disulphonic acid (R acid)	1,072,000	.....
2-Naphthol-6,8-disulphonic acid (G acid salt)	1,245,000	.....
1-Naphthol-5-sulphonic acid	172,000	.....
2-Naphthol-6-sulphonic acid (Schaeffer's acid)	335,000	82,000
5-Naphth[1,2]oxidiazolesulphonic acid (1,1'-Azobis-(2-naphthol-4-sulphonic acid)	604,000	.....
1-Naphthylamine (a-Naphthylamine)	5,737,000	1,240,000
p-Nitroacetanilide	278,000	.....
m-Nitroaniline	636,000	379,000
2-Nitro-p-anisidine (3-Nitro-4-aminoanisole)	78,000	.....
4-Nitro-o-anisidine (5-Nitro-2-aminoanisole)	171,000	.....
5-Nitro-o-anisidine (NH_2=1) (p-Nitro-o-anisidine)	192,000	.....
6-(m-Nitrobenzamido)-1-naphthol-3-sulphonic acid (m-Nitrobenzyl J acid)	26,000	.....
Nitrobenzene	123,764	6,825
m-Nitrobenzenesulphonic acid	562,000	272,000
1,2,4,5-Tetrachlorobenzene	1,478,000	.....
3-Nitro-1,5-naphthalenedisulphonic acid (2-Nitronaphthalene-4,8-disulphonic acid)	157,000	.....
o-Nitrophenol	288,000	.....
p-Nitrosophenol	258,000	.....
m-Nitrotoluene	1,250,000	.....
3-Nitro-p-toluenesulphonic acid (o-Nitrotoluenesulphonic acid)	270,000	.....
5-Nitro-o-toluenesulphonic acid (p-Nitrotoluene-o-sulphonic acid)	2,191,000	.....
2-Nitro-p-toluidine (m-Nitro-p-toluidine)	1,761,000	662,000
Phenol, total[2]	297,338,000	198,535,000
Natural, from coaltar and petroleum	23,064,000	19,976,000
Synthetic	274,274,000	178,559,000
p-Phenylazoaniline (p-Aminoazobenzene) and hydrochloride	277,000	.....
Phenylenediamine (o,m,p)	2,688,000	1,355,000
2,2'-Phenyliminodiethanol (Phenyldiethanolamine)	807,000	.....
Phenylmalonic acid, diethyl ester	249,000	.....
Phthalic anhydride	158,827,000	127,666,000
Picolines[2]	519,000	472,000
Piperidine	246,000	.....
Pyridine, refined[2]	1,751,000	1,801,000
Quinaldine (2-Methylquinoline)	38,000	.....
Quinizarin (1,4-Dihydroxyanthraquinone)	899,000	131,000
Quinoline: 2[2]	1,029,000	838,000
Salicylic acid, tech	.....	2,457,000
Styrene (Vinylbenzene)—		
Grade for rubber (elastomers)	376,862,000	269,193,000
1,2,4,5-Tetrachlorobenzene	1,478,000	.....
1,4,5,8-Tetrakis(1',1'',1''',1''''-anthraquinonylamino) anthraquinone (Penta-anthramide)	91,000	.....
o-Tolidine and salts	493,000	144,000
2,4-Toluenediamine (4-m-Tolylenediamine)	1,349,000	484,000
a-Toluic acid (Phenylacetic acid)	398,000	207,000
6-p-Toluidineomethanilic acid (6-p-Toluinometanilic acid)	17,000	.....
1-(p-Toluidino)naphthalene-8-sulphonic acid (Tolyl peri acid) (1-(p-Toluino)naphthalene-8-sulphonic acid)	59,000	.....
a-Tolunitrile (Benzyl cyanide)	2,134,000	586,000
4-(o-Tolylazo)-o-toluidine (o-Aminoazotoluene)	557,000	.....
o-(p-Tolyl)benzoic acid (p-Tolyl-o-benzoic acid)	738,000	.....
a-Trichlorotoluene (Benzotrichloride)	623,000	.....
6,6'-Ureylenebis(1-naphthol-3-sulphonic acid (J acid urea)	455,000	28,000
Violanthrone (Dibenzanthrone)	290,000	.....
All other intermediates	788,603,000	304,269,000
Total	2,873,361,000	1,134,653,000

[1] Includes data for coke ovens and gas-retort ovens, reported to the coal economics division, Bureau of Mines, and for tar and petroleum refineries and other producers, reported to the Tariff Commission.

[2] Includes data for coke ovens and gas-retort ovens, reported to the coal economics division, Bureau of Mines, and for tar refineries and other producers, reported to the Tariff Commission.

Note—The statistics on sales of intermediates in 1948 do not include the quantity and value of interplant transfers as did the statistics for 1947 and earlier years. Before 1948 the interplant transfers probably accounted for from 10 to 15 percent of the total of sales plus transfers. The sales statistics given in this report, therefore, are not strictly comparable with the sales statistics given in earlier reports.

Italian-American Agents Listed in New Directory

The American Chamber of Commerce for Trade with Italy has published a directory of United States agents of Italian exporters and Italian agents of United States exporters. The volume contains classified listings by firms and by products and alphabetical commodity indices in English and in Italian, with cross references in both languages.

The directory also includes data on government, banking, transportation and other agencies of interest to traders, listings of offices of air and steamship lines, freight forwarders, shipping and travel agents, and diplomatic and consular representatives in the two countries. Copies may be obtained at $1 each from the organization at 105 Hudson street, New York.

Sharp & Dohme Engages Valbuena

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, has appointed Dr. Joaquin Valbuena scientific editor of export publications. He succeeds Dr. C. F. Bilbao, who has resigned to resume private practice in Havana, Cuba.

Rho Pi Phi Presents Health Award to Airlines Stewardess

Rho Pi Phi, international pharmaceutical fraternity, presented its International Health and Safety Award for 1949 to Miss Elnora Ebers, chief stewardess of American Overseas Airlines, at its thirtieth annual meeting in Boston.

The award was given to Miss Ebers "in appreciation of her personal record and in recognition of the outstanding humanitarian service rendered by the crews of American Overseas Airlines in operating the commercial line of the Berlin airlift."

Vitamin A Production of South Africa Estimated

The Union of South Africa has estimated the value of the expected production of vitamin A concentrates in 1949 at £1,250,000, according to a recent report. While sales will continue to be made to Britain, western Europe and South Africa, the report said, a drive is being made to expand the United States market and to export .. large percentage of the vitamin A concentrates to this country in potencies of 200,000 to 1,000,000 USP units.

The output of vitamin A concentrates from fishlivers in 1948 had an estimated gross value of £850,000. The entire amount was sold to the British Ministry of Food, except for small quantities shipped to Europe.

Antitrust Laws Probe

—Continued from page 3

become big because they deserve to be big—in other words, that they outdistance their competitors because they do a better job, render greater service or furnish better goods. Personally, I doubt if this is often true.

"The fundamental issue is whether the economy of this country is to remain free and competitive, or whether it is to be subjected to private regimentation through monopoly control."

Miller-Tydings Act Attacked

Repeal of the Miller-Tydings act was recommended to the committee by John D. Clark, a member of President Truman's Council of Economic Advisors. This act authorizes exemption from antitrust restraints for fixing of retail prices in states that pass laws authorizing such price fixing.

Representative Emanuel Celler of New York, chairman of the committee, heartedly agreed with Mr. Clark on this recommendation, terming the Miller-Tydings act as a "smokescreen" for price fixing.

In addition, Mr. Clark asked for an investigation of monopoly control in labor unions, tighter enforcement of antitrust laws, plus a clarification of their meanings. He cited the three-day work week ordered by John L. Lewis of the United Mine Workers as an example of monopoly control in labor unions and added that there are many restrictive practices of this character.

Morris Ernst, New York attorney, recommended that the Secretary of Commerce be legally designated as an advocate of private business on the same footing as that by which labor and agriculture are represented by the secretaries of labor and agriculture.

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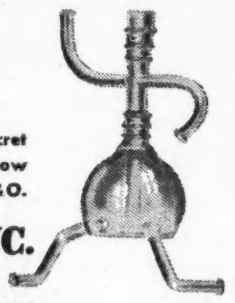

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AGAR—30 bls. Dodwell & Co, Tudor, Nagoya
AMYRIS OIL—5 dms, Norda Essential Oil & Chemical Co, Notos, Port au Prince
ANILIN COLORS — 14 cyls, Sandoz Chemical Works, De Grasse, Havre
ANISE—200 bgs, Becker Mayer Seed Co, Tudor, Manila
ANTIMONY ORE—1,727 bgs, C Tennant & Sons, Santa Barbara, Antofagasta
628 bgs, U S Treasury Dept, Santa Barbara, Antofagasta
1,250 bgs, Derby & Co, Santa Barbara, Antofagasta
2,170 bgs, South American Minerals & Merchandising Corp, Santa Cecilia, Antofagasta
ASBESTOS FIBER—2,201 bgs, Chemical Bank & Trust Co, Hellenic Sky, Genoa
ASCORBIC ACID—20 cks, Averdyk, Antwerp
BAUXITE—3,464 tons, American Cyanamid Co, Marcala, Everton
3,450 tons, American Cyanamid Co, Rosario, Everton
BEESWAX—38 bgs, John Holt Co, Notos, Port au Prince
15 bgs, Agwiking, Havana
5 bgs, General Import Distributing Co, Agwiking, Havana
15 bgs, Machado & Co, Helen, Puerto Plata
17 bgs, Machado & Co, Suzanne, Ciudad Trujillo
13 bgs, Schutte & Focke, Suzanne, Ciudad Trujillo
25 bgs, Geck Trading Co, Suzanne, Ciudad Trujillo
15 bgs, Machado & Co, Helen, Puerto Plata
BERYL ORE—500 bgs, Beryllium Corp, Mormachawk, Rio de Janeiro
500 bgs, Watson Geach Co, Mormachawk, Victoria
600 bgs, Argentina, Rio de Janeiro
BISMUTH—57 cs, Cerro De Pasco Copper Co, Santa Cecilia, Callao
BONEMEAL—568 bgs, Transatlantic Animal By Products Corp, Exton, Casablanca
CANARYSEED—130 bgs, Paul Revere, Istanbul
CAMPHOR—31 cs, Interchange Commercial Corp, Pioneer Dale, Kobe
CARAWAY SEED—100 bgs, C M Van Sillevoldt Co, Averdyk, Rotterdam
CARNAUBA WAX—250 bgs, Pachitea, Parnahyba
126 bgs, William Diehl & Co, Pachitea, Parnahyba
63 bgs, W R Grace & Co, Pachitea, Parnahyba
70 bgs, R W Cameron Co, Pachitea, Parnahyba
63 bgs, Wessel, Duval & Co, Pachitea, Parnahyba
188 bgs, Strahl & Pitsch, Inc, Pachitea, Parnahyba
126 bgs, Frank B Ross Co, Pachitea, Parnahyba
112 bgs, Frank B Ross Co, Pachitea, Fortaleza
278 bgs, Chase National Bank, Pachitea, Fortaleza
330 bgs, Stein, Hall & Co, Pachitea, Fortaleza
56 bgs, Strohmeyer & Arpe Co, Pachitea, Fortaleza
56 bgs, W R Grace & Co, Pachitea, Fortaleza
56 bgs, Wessel, Duval & Co, Pachitea, Fortaleza
112 bgs, William Diehl & Co, Pachitea, Fortaleza
150 bgs, Stein, Hall & Co, Mormachawk, Bahia
70 bgs, Frank B Ross Co, Mormachawk, Bahia
CASEIN—280 bgs, The Borden Chemical Co, Argentina, Buenos Aires
CASHEWNUT LIQUID—93 dms, Irvington Varnish & Insulator Co, Rio Novo, Fortaleza
CASSIA—490 bls, C M Van Sillevoldt Co, Reinholt, Hongkong
100 bls, Karl H Landes Co, Reinholt, Hongkong
67 bls, Averdyk, Rotterdam
200 bls, Knickerbocker Mills Co, Longview Victory, Hongkong
100 bls, William M Allison & Co, Longview Victory, Hongkong
55 bls, Becker-Mayer Seed Co, Longview Victory, Hongkong
500 bls, East India Trading Co, Longview Victory, Hongkong
30 bls, H M Newhall Co, Longview Victory, Hongkong
400 bls, Arnhold & Co, Longview Victory, Hongkong
250 bls, Archibald & Kendall Co, Longview Victory, Hongkong
200 bls, Wah Chang Trading Corp, Longview Victory, Hongkong
400 bls, Arthur G Dunn, Longview Victory, Hongkong
300 bls, Cnarles T Wilson Co, Tudor, Hongkong
50 bls, S L Jones Co, Tudor, Hongkong
400 bls, Arthur G Dunn Co, Tudor, Hongkong
51 bls, Becker Mayer Seed Co, Tudor, Hongkong
300 bls, Arthur G Dunn Co, Benares, Hongkong
CASTORBEANS—1,667 bgs, Baker Castor Oil Co, Pachitea, Bahia
1,033 bgs, Baker Castor Oil Co, Notos, Port au Prince
175 bgs, Guaranty Trust Co, Notos, Port au Prince
3,055 bgs, Baker Castor Oil Co, Mormachawk, Bahia
CHROME ORE—4,000 tons, National City Bank, Boheme, Karaagac
CITRONELLA OIL—3 dms, Stein, Hall & Co, Notos, Cape Haitien
24 dms, Norda Essential Oil & Chemical Co, Pioneer Dale, Keelung
COCOA CAKE—1,000 bgs, Monsanto Chemical Co, Pachitea, Bahia
COCONUT OIL—180 tons, Bunge Corp, Reinholt, Manila
1,050 tons, E F Drew Co, Tudor, Cebu
885 tons, E F Drew Co, Benares, Cebu
272 tons, Westerdam, Rotterdam
254 tons, E F Drew Co, Pioneer Dale, Manila
CODLIVER OIL—28 dms, Danca Import & Export Co, Mormacrio, Copenhagen
COLUMBITE ORE—1,120 bgs, E J Lavino & Co, Fort Nottingham, Lagos
COPAL GUM—137 bgs, W H Scheel Co, Tudor, Manila
150 bkts, Gillespie-Rogers-Pyatt Co, Friesland, Macassar
520 bkts, Internatio Rotterdam, Friesland, Macassar
181 bgs, Balfour Guthrie Co, Fernland, Matadi
COPRA—10,080 bgs, Reinholt, Manila
CRESYLIC ACID—206 dms, Concord Chemical Co, American Forwarder, Belfast
42 dms, Uno Shipping Co, Averdyk, Rotterdam
CUMIN SEED—121 bgs, Chase National Bank, Boheme, Beyrouth
220 bgs, Levys Trading Co, Exton, Casablanca
111 bgs, Craig Stanton Co, Friesland, Casablanca
100 bgs, Friesland, Casablanca
CUTTLEFISH BONES—87 cs, La Coubre, Bordeaux
CYANIDE PRECIPITATE—9 cs, American Metal Co, Santa Barbara, Puna
DEXTRIN—75 bgs, Bank of Manhattan Co, Westerdam, Rotterdam
DYESTUFFS—44 cs, Sandoz Chemical Works, De Grasse, Havre
ERGOT—166 bgs, National City Bank, Monte Brasil, Lisbon
40 bgs, Biddle & Sawyer Co, Monte Brasil, Lisbon
ESSENTIAL OILS—1 cs, Dodge & Olcott, Inc, America, Havre
11 cbys, Lo Curto & Funk Co, Atlantic, Cannes
8 cs, Tombarel Products Corp, Atlantic, Cannes
3 cs, National City Bank, Atlantic, Cannes
2 cs, Gerard J Danco, Inc, Atlantic, Cannes
11 cs, Lo Curto & Funk Co, Atlantic, Cannes
1 cs, Antoine Chiris, Inc, Atlantic, Cannes
1 cs, Brown Bros Harriman Co, Atlantic, Cannes
32 cks, Averdyk, Rotterdam
10 dms, Fritzsche Bros, Inc, Longview Victory, Hongkong
2 cs, P A Dana Co, De Grasse, Havre
FERRO CHROMIUM—4,000 cs, Felix Kramarsky, Sir John Franklin, Yokohama
FISHLIVER OIL—15 dms, Barclays Co, Tudor, Yokohama
35 dms, Consumer Import Co, Tudor, Yokohama
MEAL—1,067 bgs, Albumina Supply Co, Exton, Casablanca
FLEASEED—320 bgs, Peek & Velsor, Inc, Hoegh Silverstar, Bombay
368 bgs, T M Duche & Sons, Hoegh Silverstar, Bombay
453 bgs, S B Penick & Co, Hoegh Silverstar, Bombay
HUSKS—300 bgs, Biddle Sawyer Corp, Hoegh Silverstar, Bombay
351 bgs, R J Prentiss & Co, Hoegh Silverstar, Bombay
70 bgs, Peek & Velsor, Inc, Hoegh Silverstar, Bombay
104 bgs, S B Penick & Co, Hoegh Silverstar, Bombay
384 bgs, S B Penick & Co, Jalakala, Bombay
FUEL OIL—102,000 bbls, Esso Standard Oil Co, Esso Chattanooga, Aruba
10,000 bbls, Asiatic Petroleum Corp, Santa Paula, Curacao
102,000 bbls, Esso Standard Oil Co, Esso New Orleans, Aruba
102,000 bbls, Esso Standard Oil Co, Esso Hartford, Aruba
69,333 bbls, Shell Oil Co, Patella, Curacao
107,485 bbls, Ness Inc, American Trader, Curacao
53,029 bbls, Asiatic Petroleum Corp, San Roberto, Curacao
51,183 bbls, Shell Oil Co, Paludina, Curacao
10,296 tons, Paragon Oil Co, Myrto, Willemstad
103,186 bbls, Esso Standard Oil Co, Steens Mountain, Caripito
104,000 bbls, Esso Standard Oil Co, R F McConnell, Aruba
GELATIN—2 dms, Riches-Nelson Co, Knut Bakke, Antwerp
GHATTI GUM—13 bgs, Thurston & Braidich, Jalakala, Bombay
GLUESTOCK—347 bls, H Remis Co, Seatrain New Jersey, Havana
GRAPHITE—146 bgs, Sir John Franklin, Fusan
GUAIACWOOD OIL—25 cs, George Lueders & Co, Alpherat, Buenos Aires
GUM—25 cs, Gillespie-Rogers-Pyatt Co, Chinese Prince, Singapore
GYPSUM—8,655 tons, National Gypsum Co, Dingwall, Dingwall
10,383 tons, U S Gypsum Co, Gypsum Prince, Hantsport
IODINE—123 cs, Felix Kramarsky, Tudor, Yokohama
IPECAC, MATTO GROSSO—1 bl, Inland Alkaloid Co, Alpherat, Rio de Janeiro
IRISH MOSS—1 bg, Bradley & Baker Co, American Reporter, Havre
KARAYA GUM—200 bgs, Jacques Wolf & Co, Jalakala, Bombay
188 bgs, Stein, Hall & Co, Jalakala, Bombay
534 bgs, Reuben Import & Export Co, Hoegh Silverstar, Bombay
393 bgs, S B Penick & Co, Hoegh Silverstar, Bombay
333 bgs, Paul A Dunkel & Co, Hoegh Silverstar, Bombay
246 bgs, Paul A Dunkel & Co, Flying Trader, Bombay
134 bgs, Reuben Import & Export Co, Flying Trader, Bombay
266 bgs, J H Reed Co, Flying Trader, Bombay
200 bgs, Dodwell & Co, Flying Trader, Bombay
413 bgs, I R Boody Co, Flying Trader, Bombay
LEMON OIL—100 cs, Corn Exchange Bank, Exton, Messina
20 cs, Exton, Messina
20 cs, Dodge & Olcott, Inc, Exton, Messina
LEMONGRASS OIL—11 dms, Lo Curto & Funk Co, Notos, Port au Prince
LICORICE ROOT—13 bls, S B Penick & Co, Hoegh Silverstar, Beirut
9 cs, S B Penick & Co, Hoegh Silverstar, Beirut
LIME OIL—3 dms, Magnus, Mabee & Reynard, Inc, Notos, Port au Prince
2 dms, Dodge & Olcott, Inc, Notos, Port au Prince
LIVERMEAL—1,986 bgs, Wessel, Duval & Co, Celestial, Montedveo
LOCUSTBEAN GUM—510 bgs, Paul A Dunkel & Co, Knut Bakke, Antwerp
200 bgs, Bank of London, Monte Brasil, Lisbon
MAGNESIUM FLUORIDE—1 dm, City Chemical Co, American Veteran, Liverpool
MANDARIN OIL—4 cs, Dodge & Olcott, Inc, Exton, Messina
MEDICINAL SEEDS—314 bgs, S B Penick & Co, Flying Trader, Bombay
MENTHOL—5 cs, R J Prentiss & Co, Longview Victory, Hongkong
10 cs, Paul A Dunkel & Co, Tudor, Hongkong
10 cs, Norda Essential Oil & Chemical Co, Tudor, Hongkong
10 cs, Vick Chemical Co, Tudor, Yokohama
73 cs, McKesson & Robbins Co, Mormachawk, Santos
162 cs, Metallo Corp, Mormachawk, Rio de Janeiro
MICA—35 cs, Colonial Trust Co, Celestial, Rio de Janeiro
7 cs, Sylvania Electrical Co, Alpherat, Rio de Janeiro
60 cs, Sylvania Electric Products Corp, Mormachawk, Rio de Janeiro
10 cs, Ford Radio & Mica Co, Jalakirti, Calcutta
80 cs, Whittaker, Clark & Daniels Co, Jalakirti, Calcutta
21 cs, Sigfried Cussel Co, Jalakirti, Calcutta
80 cs, Cornelius & Suhr Co, Jalakirti, Calcutta
25 cs, Overseas Credit Corp, Argentina, Rio de Janeiro
85 cs, Sylvania Electric Products Corp, Argentina, Rio de Janeiro
77 cs, Eugene Munsell Co, Argentina, Rio de Janeiro
33 cs, Cosmopolitan Trading Co, Argentina, Rio de Janeiro
20 cs, Western Hemisphere Raw Materials Corp, Argentina, Rio de Janeiro
MOLASSES—1,276 tons, American Molasses Co, Ethel B, Havana
MOLYBDENITE—451 dms, J W Hampton, Jr, Co, Tudor, Kobe
MYROBALANS—1,160 bgs, Manufacturers Trust Co, Hoegh Silverstar, Mormungo
1,846 bgs, Hoegh Silverstar, Mormungo
696 bgs, Barkey Importing Co, Flying Trader, Bombay
1,910 bgs, Jalakirti, Mormungo
ORANGE PEEL—100 bgs, S B Penick & Co, Notos, Cap Haitien
350 bgs, Notos, Cap Haitien
OIL—1 cs, Dodge & Olcott, Inc, Exton, Messina
OURICURY WAX—56 bgs, Stein, Hall & Co, Alpherat, Bahia
56 bgs, W R Grace & Co, Alpherat, Bahia
230 bgs, Wessel, Duval & Co, Pachitea, Bahia
125 bgs, Innis, Speiden & Co, Pachitea, Bahia
126 bgs, Cornelius Products Corp, Rio Novo, Bahia
56 bgs, Stein, Hall & Co, Rio Novo, Bahia
112 bgs, Strahl & Pitsch Co, Mormachawk, Bahia
56 bgs, Wessel, Duval Co, Mormachawk, Bahia
PALMAROSA OIL—1 dm, Volkart Bros, Hoegh Silverstar, Bombay
1 pot, East Asiatic Co, Flying Trader, Bombay
PEPPER, BLACK—82 bgs, Averdyk, Rotterdam
23 bgs, Arthur G Dunn, Averdyk, Rotterdam
66 bgs, Joensson, Cross Co, Averdyk, Rotterdam
880 bgs, Arthur G Dunn, Hoegh Silverstar, Bombay
80 bgs, Griffith Laboratories, Inc, Hoegh Silverstar, Bombay
220 bgs, Biddle Sawyer Corp, Hoegh Silverstar, Bombay
240 bgs, Otto Gerdau Co, Hoegh Silverstar, Bombay
160 bgs, Bale Corp, Hoegh Silverstar, Bombay
400 bgs, Volkart Bros, Hoegh Silverstar, Alleppey
160 bgs, Joensson & Cross Co, Hoegh Silverstar, Alleppey
400 bgs, C Czarnikow Co, Hoegh Silverstar, Alleppey
80 bgs, M Golodetz Co, Hoegh Silverstar, Alleppey
360 bgs, Mincing Trading Co, Flying Trader, Bombay
80 bgs, Westerdam, Rotterdam
80 bgs, Joensson & Cross Co, Westerdam, Rotterdam
WHITE—65 bgs, De Grasse, Havre
73 bgs, Arthur G Dunn Co, Stockholm, Gothenburg
40 bgs, Mincing Trading Co, Mormacrio, Stockholm
PETROLEUM, CRUDE—112,366 bbls, Esso Standard Oil Co, Caribbean, Cartagena
119,879 bbls, Esso Standard Oil Co, Esso Little Rock, Cartagena
124,656 bbls, Socony Vacuum Oil Co, Karsten Wang, Guanta
16,084 tons, California Refining Co, California Standard, Ras Tanura
POPPYSEED—100 bgs, C M Van Sillevoldt Co, Westerdam, Rotterdam
QUEBRACHO EXTRACT—7,378 bgs, River Plate Import & Export Co, Argentina, Buenos Aires
RESINOIDS—3 cs, Naugatuck Aromatics, Atlantic, Cannes
RHUBARB ROOT—16 cs, Max Van Pels, Tudor, Hongkong
8 cs, Meer Corp, Tudor, Hongkong
SANDALWOOD—898 bgs, W J Bush & Co, Jalakala, Bombay
SASSAFRAS OIL—10 dms, Solta Import & Export Co, Tudor, Keelung
13 dms, De Schulthess & Comzurich, Pioneer Dale, Yokohama
SCHEELITE ORE—7,339 bgs, National City Bank, Sir John Franklin, Fusan
SESAME SEED—200 bgs, Archibald & Kendall Co, Cape Cod, Cristobal
SHARKLIVER OIL—15 dms, Collet Week & Nibecker, Santa Cecilia, Valparaiso
SHELLAC—700 bgs, J Henry Schroder, Knut Bokke, Antwerp
SODIUM ALGINATE—33 cs, Takamine Ferment Co, Tudor, Yokohama
ST JOHNS BREAD, GROUND—200 bgs, R J Prentiss & Co, Exton, Casablanca
TALC—25 cs, La Coubre, Bordeaux
TANKAGE—80,070 lbs, Swift & Co, Seatrain New Jersey, Havana
TAPIOCA FLOUR—4,100 bgs, Morningstar, Nichols Co, Celestial, Santos
500 bgs, First National Bank of Boston, Pachitea, Parnahyba
584 bgs, W R Grace & Co, Pachitea, Parnahyba
1,000 bgs, Stein Hall & Co, Mormachawk, Santos
1,677 bgs, Corn Products Refining Co, Helen, Puerto Plata
1,200 bgs, Corn Products Refining Co, Nuevo Dominicano, Puerto Plata
THYME LEAVES—369 bls, Rector Mineral Trading Co, Averdyk, Rotterdam
TONKA BEANS—16 cks, Royal Bank of Canada, Argentina, Port of Spain
TUCUM KERNELS—769 bgs, Bank of London & South America, Pachitea, Parnahyba
VEGETABLE WAX—10 cs, Enco Chemical Co, Tudor, Kobe
WHITING—400 bgs, Reheis Co, Brittanic, Liverpool
WOLFRAM ORE—600 bgs, J Nieverding Co, Santa Barbara, Arica
380 bgs, Derby & Co, Santa Barbara, Arica
1,613 bgs, National City Bank, Sir John Franklin, Fusan
582 bgs, National City Bank, Sir John Franklin, Fusan
536 bgs, National City Bank, Sir John Franklin, Hongkong
500 bgs, Santa Cecilia, Antofagasta
WOOL GREASE—71 dms, American British Chemical Supply Co, American Veteran, Liverpool
147 dms, Davies, Turner Co, American Veteran, Manchester
YLANG YLANG OIL—5 dms, van Ameringen-Haebler Co, American Reporter, Havre

Baltimore

QUEBRACHO EXTRACT—10,123 bgs, Imex Corp, Mormachawk, Buenos Aires
WATTLE BARK—1,100 bls, River Plate Import & Export Co, African Rainbow, Durban
550 bls, Olson Sales Agency Co, African Rainbow, Durban

Norfolk

TRAGASOL GUM—120 cks, James P Marsten Co, American Veteran, Liverpol
WATTLE BARK—3,300 bls, River Plate Import & Export Co, African Rainbow, Durban

Philadelphia

July 6 to July 11

ASBESTOS FIBER—500 bgs, Charles Kurz Co, African Rainbow, Lourenco Marques
BONE MEAL—2,650 bgs, Baugh & Sons, Maidan, Colombo
CHROME ORE—1,592 tons, Frank Samuel Co, African Rainbow, Lourenco Marques
2,000 tons, E J Lavino & Sons Co, Pioneer Bay, Masinloc
2,000 tons, E J Lavino & Sons Co, President Grant, Masinloc
3,000 tons, E J Lavino & Sons Co, Pioneer Mail, Masinloc
3,500 tons, E J Lavino & Co, Fernhill, Masinloc
FLUORSPAR—1,390 tons, Chase National Bank, Pierre de Saurel, Marseilles
GYPSUM—6,281 tons, U S Gypsum Co, Gypsum King, Hantsport
IDMENITE ORE—5,500 tons, American Cyanamid Co, Jalakanya, Koilthottam
MANGANESE ORE—50 tons, William Muller Co, Pierre de Saurel, Marseilles
OLIVE OIL—25 dms, Schroder Bros, Exton, Casablanca
OLIVE OIL FOOTS—150 dms, The Liberty Title & Trust Co, Executor, Bari
PETROLEUM, CRUDE—121,037 bbls, Gulf Oil Co, Gulfmeadows, Puerto la Cruz
123,301 bbls, Atlantic Refining Co, Atlantic Voyager, Pamatacual
123,371 bbls, Atlantic Refining Co, Lone Jack, Puerto la Cruz
123,162 bbls, Socony Vacum Oil Co, Shabonee, Puerto la Cruz
110,892 bbls, Gulf Oil Corp, Gulfglow, Las Piedras
110,981 bbls, Esso Export Corp, Clark's Wharf, Aruba
122,785 bbls, Atlantic Refining Co, Atlantic Mariner, Puerto la Cruz
1,856 bbls, Atlantic Refining Co, Atlantic Belgium, Las Piedras
125,192 bbls, Gulf Oil Corp, Gulfstream, Puerto La Cruz
QUICKSILVER—18,000 flasks, Bureau of Federal Supply, Enrico "C," Civitavecchia
QUINIDINE SULPHATE—50,000 oz, U S Treasury Dept, Westerdam, Rotterdam
2 cs, American Miller, London
WATTLE BARK—4,950 bls, Olson Sales Agency, African Rainbow, Durban
2,195 bls, Hammond & Carpenter Co, African Rainbow, Durban

San Francisco

July 5 to July 11

BONE ASH—200 bgs, Edmon J Lang Co, Mormacdawn, Buenos Aires
200 bgs, Canadian Developments, Inc, Durango, London
CARDAMOMS—14 cs, W R Grace & Co, Anchor Hitch, Puntarenas
CASTOR OIL—50 dms, Mormacdawn, Bahia
CODLIVER OIL—20 dms, Peder Devold Oil Co, Abraham Lincoln, Oslo
COPRA—600 tons, El Dorado Oil Works, Julia Luckenbach, Zamboanga
500 tons, El Dorado Oil Works, Julia Luckenbach, Ramblon
250 tons, Cargill & Co, President Madison, Cebu
650 tons, Cargill & Co, President Madison, Isabella
312 tons, Pacific Vegetable Oil Co, Swarthmore Victory, Guam
389 tons, Cargill & Co, Swarthmore Victory, Kwajalein
CRACKLING, GROUND—1,118 bgs, Wessel, Duval & Co, Mormacdawn, Buenos Aires
GINGER—114 bgs, Mincing Trading Co, Durango, Kingston
FISH MEAL—2,550 bgs, Wilbur Ellis Co, Abraham Lincoln, Oslo
926 bgs, Woodward & Dickerson, Santa Flavia, Callao
1,666 bgs, Wilbur Ellis Co, Santa Flavia, Chimbote
600 bgs, Woodward & Dickerson Co, Santa Flavia, Chimbote
LIVER MEAL—605 bgs, Taylor Walcott Co, Waikawa, Wellington
382 bgs, Wilbur Ellis Co, Waikawa, Wellington
MUSTARD—55 cs, Julliard Fancy Foods Corp, Durango, London
PAPRIKA—75 bgs, W L McClintock Co, Santa Flavia, Valparaiso
70 bgs, Nismoco Co, Santa Flavia, Valparaiso
PIMENTO—50 bgs, B C Ireland Co, Durango, Kingston
SESAME SEED—200 bgs, H M Newhall Co, Anchor Hitch, Corinto
SHARK LIVERS—2 bbls, Peter Berglund Co, Anchor Hitch, Barranquilla
4 dms, R Sierra, Santa Flavia, Puna
253 cans, Thornley & Pitt Co, Anchor Hitch, Puntarenas
SODIUM SILICATE—35 bgs, Lastreto Phillips Commercial Co, Anchor Hitch, Corinto
NITRATE—1,920 bgs, Guaranty Trust Co, Santa Flavia, Tocopilla
1,310 tons, Guaranty Trust Co, Santa Flavia, Tocopilla
TAPIOCA FLOUR—540 bgs, Stein, Hall & Co, Mormacdawn, Santos
400 bgs, Morningstar, Nichols Co, Mormacdawn, Santos
TUNG OIL—327 tons, S L Jones Co, China Victory, Hongkong
112 tons, Vongher Low China Co, Julia Luckenbach, London
TUNGSTEN SCRAP—5 bgs, N V Groma, Inc, Durango, London
VANILLA BEANS—20 cs, Damman & Smettzel, Inc, Thor I, Papeite
WOOD FLOUR—250 bgs, Paraffine Companies, Abraham Lincoln, Oslo

Italian Imports: April

Imports of various commodities into Italy from the United States during April of this year have been reported as follows:—

Animal oils and fats, edible	$181,233
Animal and fish oils and fats, inedible	1,303,534
Vegetable oils and fats, edible	3,146,938
Sugar and related products	10,333
Naval stores, gums and resins	327,024
Drugs, herbs and roots, crude	3,004
Oilseeds	1,282,974
Seeds, except oilseeds	878
Vegetable oils and fats, inedible	642,954
Vegetable dyeing and tanning extracts	850
Petroleum and products	1,641,360
Nonmetallic minerals, n.e.s	215,883
Nickel and manufactures	4,336
Nonferrous ores, metals and alloys, n.e.s.	75,405
Medicinal and pharmaceutical preparations	1,273,374
Coaltar products	714,277
Chemical specialties	565,255
Industrial chemicals	323,179
Pigments, paints and varnishes	172,574
Soap and toilet preparations	22,103

Canadian Exports: May

Exports of various products from Canada in May, 1949, as compared with the corresponding month in 1948, have been reported as follows:—

	May— 1949	1948
Abrasives, artificial, crude	$1,146,000	$1,233,000
Acids	291,000	704,000
Artificial silk and products	215,000	802,000
Asbestos and products	1,257,000	3,691,000
Calcium compounds	193,000	238,000
Chemical products	1,734,000	2,739,000
Copper and products	8,694,000	9,355,000
Fertilizers	3,916,000	3,843,000
Lead and products	3,830,000	3,079,000
Medicinal preparations	186,000	326,000
Nickel	8,768,000	7,780,000
Paints and varnishes	254,000	750,000
Petroleum and products	31,000	1,066,000
Soda and sodium compounds	354,000	519,000
Vegetable fats and oils	2,964,000	2,403,000
Zinc and products	5,711,000	3,960,000

Bristol Labs Marketing New Veterinary Penicillin

Bristol Laboratories, Inc., Syracuse, N. Y., has commenced marketing procaine penicillin G in oil for veterinary use. The new product, designed specially for the treatment of acute and chronic mastitis in cows, is supplied in 100 cc. vials, with each cc. containing 10,000 units of procaine penicillin G suspended in a special vehicle consisting of peanut oil gelled with 3 percent aluminum monostearate.

Cleveland Chemical Salesmen Install Kane as New President

The Chemical Salesmen of Cleveland installed Robert D. Kane, Innis, Speiden & Co., as president at its recent annual meeting in the Carter hotel. He succeeds Charles A. Kleinhans, Solvay Sales Division, Allied Chemical & Dye Corporation. Other officers installed were:—

Vice-president, I. C. Purrenhage, E. I. du Pont de Nemours & Co.; secretary, P. C. Hall. Westvaco Chemicals Division of Food Machinery and Chemicals Corporation; treasurer, C. H. Blazier, McKesson & Robbins, Inc., and trustees, R. A. Hagberg, industrial chemical sales division, West Virginia Pulp & Paper Company, Carl Byron, American Cyanamid Company, and R. E. Nicholson, Dow Chemical Company.

FTC Denies Motions

—Continued from page 5

respondents, acting independently, from quoting or selling at delivered prices or from absorbing freight. The commission does not consider that the order in its present form prohibits the independent practice of freight absorption or selling at delivered prices by individual sellers.

"What the questioned portion of the order does prohibit is the continuance of the basing point, delivered price system, found to have been the subject of conspiracy, or any variation thereof which might be accomplished through the practices specified . . . when done, as stated in the order, 'for the purpose or with the effect of systematically matching delivered price quotations.'

"Taking the matters pleaded in the motion and memorandum in support thereof as true only for present purposes, no change of fact or of law appears and there is no showing that the public interest requires reopening and modification of the order. In the absence of an adequate showing of such change of law or fact or the requirements of the public interest the motion is denied."

In his concurring opinion, Commissioner Mason said that he was joining with the other commissioners solely on the grounds that the motion of the manufacturers does not fulfill the requirements of the statute. "They have set forth no change of fact," he said

Mexico Cuts Export Duties

The government of Mexico has reduced most of its export tariffs by 80 percent, leaving only 3 percent duty on most export shipments. Among the products for which duties were reduced are industrial chemicals, mercury, cement, ores and metals.

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- Synthetic quick drying oils for outdoor paints.
- Various fine chemicals and intermediates. (e.g. ephedrine, caffeine, theophylline, etc.
- Thickeners for foods (Promulsin).
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CINCHOPHEN SODIUM
8-HYDROXYQUINOLIN
IODOXYQUINOLIN SULPHONIC ACID
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
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PHENOBARBITAL
PHENOBARBITAL CALCIUM
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BENZYL CINNAMATE
CINNAMIC ACID
DIACETYL
ETHYL PHENYL ACETATE
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
TECHNICAL CHEMICALS and INTERMEDIATES
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BENZOIN
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
CYANOACETAMIDE
CYANO ACETIC ACID
ETHYL CYANO ACETATE
8-HYDROXYQUINOLIN-5-SULPHONIC ACID
PENICILLIN PRECURSORS
PHENYLACETIC ACID
PHENYLACETAMIDE
BETA PHENYLETHYLAMINE
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NEWARK 5, N. J.

Remensnyder, Costigan Win Chemists' Club Golf Honors

J. P. Remensnyder, of Heyden Chemical Corporation, won the low gross prize in the members competition at the annual golf outing of the Chemists' Club, held at the Bonnie Briar Country Club, Larchmont, N. Y., on June 12. James T. Costigan, of the Sharples Corporation, won members' low net.

A. G. Aitchison, of Westvaco Chemical Division of Food Machinery & Chemical Corporation, was second low gross and Robert Weiskopf, of American Pacific Corporation, was runner-up for low net among the members.

In the guests' competition, W. C. Hardesty, of W. C. Hardesty Company, won low gross and was followed by Charles A. Goodale, of Commercial Solvents Corporation. Low net play was won by E. R. Ramsey, followed by J. D. Meyler, of Westvaco.

Kicker winners among the members were William F. George, Hooker Electrochemical Company; William Brewer, Calco Chemical Division of American Cyanamid Company, and H. W. Koch, Eimer & Amend. Guest kicker winners were Carl Allersmeyer, General Aniline & Film Corporation; R. E. Horsey, Givaudan-Delawanna, Inc., and Edward Roos, Columbia Chemical Division of Pittsburgh Plate Glass Company.

James J. McMahon, of the advertising agency of that name, won the prize for nearest to the pin; Robert B. Boyd, of Oldbury Electrochemical Company, had the longest drive, and George W. Poland, jr., of Stauffer Chemical Company, won the club's round-table award. Joseph P. Madden, jr., of Stauffer won a set of woods in the raffle.

Enjay Names Cunningham To Metropolitan Sales Post

The Enjay Company, New York, has placed E. N. Cunningham in charge of the metropolitan territory for all rubbers and plastics, including "Paracril," buna N type rubber; "Vistanex" polyisobutylene, "S-Polymer" thermoplastic resin, and "Deenax" antioxidant. The company has established a sales office at 1143 East Jersey street, Elizabeth, N. J., and Mr. Cunningham will make his headquarters at that location. In his new position he succeeds R. M. Howlett, who has been transferred to the midwest territory, with offices in Chicago.

Trade Briefs

Glycerin plant in Tientsin, China, has resumed operations after a three year shutdown.

Dr. Pieter Honig has been placed in charge of the department of technical research of the West Indies Sugar Corporation.

Drugs, chemicals, dyes and colors imported into Malaya during the fourth quarter of 1948 were valued at $11,078,386, according to official customs statistics.

Lederle Laboratories Division, American Cyanamid Company, recently dedicated a memorial monument at its Pearl River, N. Y., plant for the 713 employees of the division who served in World War II.

Joins Wallace Laboratories

Dr. F. M. Berger, assistant professor of pediatrics at the University of Rochester, N. Y., has been appointed director of research and development of Wallace Laboratories. Dr. Berger has been responsible for the development of new drugs used in the treatment of certain diseases of the central nervous system.

Schieffelin Buys Almay

Schieffelin & Co., pharmaceutical manufacturer, New York, has purchased the entire outstanding stock and has become the sole owner of Almay, Inc., cosmetics manufacturer. The Schieffelin organization has manufactured and distributed the products of Almay, Inc., since 1935.

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Obituaries

Dr. David Aufhauser

Dr. David Aufhauser, a chemist who specialized in fuel and combustion problems, and a former professor of chemistry at the University of Berlin, died July 10 in Mount Sinai hospital, New York. He was seventy years old. Dr. Aufhauser had operated a chemical laboratory in Hamburg, Germany, prior to coming to this country in 1938. He had also taught chemistry at the Polytechnicum in Zurich, Switzerland.

Dr. A. Lewin Kibler

Dr. A. Lewin Kibler, authority on the chemistry of high explosives and retired chief of the information division and the recorder patent board at the Edgewood, Md., arsenal of the Chemical Warfare Service, died July 12 in the Veterans Administration hospital, Pineville, Md. He was sixty-eight years old.

Dr. Kibler served in the research division of Picatinny Arsenal, Dover, N. J., during the first World War, and subsequently became second in command of the post. He was later transferred to Washington and devised a procedure for the storage of smokeless powder.

J. Stanley McClenahan

J. Stanley McClenahan, retired metallurgical engineer, who helped build copper and oil refining installations in the United States, Latin America and Russia, died July 13 at his home in Toms River, N. J. He was sixty years old.

During his career, Mr. McClenahan had been associated with the Anaconda Copper Company and the Phelps Dodge Refining Corporation, and had served as a consulting metallurgical engineer in Moscow at the invitation of the Soviet government.

Addison H. McKay

Addison H. McKay, pioneer mining executive who actively participated in the original development of titanium resources in northeast Quebec, died recently in Montreal, Canada. He was eighty-three years old.

Mr. McKay had devoted his business efforts to the search and development of titanium, iron, oil and gold deposits in Canada, the United States, Mexico, South American and Spain. At the time of his death he was a director of the Labrador Mining & Exploration Company, vice-president and director of Quebec Smelting & Refining, Ltd., and president of Kaymack Investments, Ltd., and McKay (Quebec) Exploration.

George P. Whaley

George P. Whaley, former president and chairman of the board of the Vacuum Oil Company, and a director of the Socony-Vacuum Oil Company, died July 9 in Roosevelt hospital, New York. He was seventy-eight years old.

Mr. Whaley had started in the petroleum industry more than fifty years ago with the Atlantic Refining Company in Pittsburgh. When that company was absorbed by the old Standard Oil Company he was transferred to New York and remained there until 1911, when he joined the Vacuum Oil Company. He was elected chairman of the board in 1930 and retired shortly before it was merged into the Socony-Vacuum Oil Company.

Samuel Alsop, president of the Alsop Engineering Corporation, Milldale, Conn., died recently at his home in Madison, Conn. He was fifty-five years old. Mr. Alsop established the company, which designs and manufactures filters, mixers, pumps and tanks, twenty-eight years ago.

Sir Rowland Biffen, emeritus professor of agricultural botany at Cambridge University, England, died July 14.

Archibald W. Bowser, legal consultant for the American Petroleum Industries Committee, died July 14 in Paterson General hospital, Paterson, N. J. He was sixty-three years old.

Charles E. Boyle, vice-president of Boyle & Co., pharmaceutical manufacturer, Los Angeles, died recently at his home in Capistrano Beach, Calif. He was forty-two years old.

Charles J. Curran, chairman of the board of the O. F. Zunr Oil Company, Philadelphia, died recently at his home in Jenkintown, Pa. He was eighty-seven six years old.

Dr. Wilfred A. Graves, jr., assistant professor of chemistry at Boston College, died July 13 at his home in Newton Center, Mass. He was twenty-nine years old.

Harold V. Shorr, a member of the pipeline division of the Socony-Vacuum Oil Company, New York, died recently in Muhlenberg hospital, Plainfield, N. J. He was thirty-seven years old.

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Botanical Drugs, Spices, Gums

The spot market developed little that was new in botanicals last week but an observer possessing a degree of serendipity could hardly loiter in the domestic primary market without turning up considerable that ought to be suggestive of developments in the months lying ahead. Declining prices on Syrian anise, Honan and Yunnan cassia, senega root and soap bark and a sharp rise in prices on ergot because of scarcity and much higher replacement resulted in a net rise of 2.7 points to make the index 181.5 in comparison with 201.6 prevailing a year ago after the index had contracted 4.3 points.

In the domestic primary market, collectors have established a set of first costs that suggest the eventual development of considerable local competition and the possibility of spot prices assuming an even lower level than that now prevailing. Yet, in some measure it was surprising that so many articles were still being bought at prices prevailing late last year. A study of one purchase list showed that out of some 116 articles a collector was disposed to purchase, forty-one were still listed at late 1948 buying levels. The reverse of the situation, however, was found in the fifty-eight items that today bring their gatherers slightly or substantially less than they did a year ago. And but eighteen have been advanced above the 1948 buying level.

Numerous domestic primary market offerings were received locally by dealers but in practically every instance the source-collectors price views were turned down or a bid made at levels so much lower than those at the origin as to prevent immediate business from being done. It was clear that both buyer and seller were jockeying for position and about the only certain thing was that those whose backs are broken that drugs may be collected are getting definitely less than a year ago. That spot prices have not declined further than they have may be related to the fact that, locally, the cost of doing business is little, if any, less than it was a year ago.

Balsams

Peru—Jobbing demand eliminated further tendency toward price shading and the market was generally steady during the past week. Importations last April totaled 8,828 pounds from Salvador, according to the latest report of the Department of Commerce.

Tolu—Undertones were steady and the market lacked competition additional to that that has kept quotations low for some time past. Reserves in the hands of dealers protected future needs.

Barks

Cascara Sagrada—The market showed some signs of additional competition that might, occasionally, lead to some shading of prices usually considered as representative of spot values. This easier undertone reflects the fact that dealers have been buying new crop bark this year at more advantageous prices.

Orange—According to the latest report of the Department of Commerce, April imports that totaled 21,333 pounds came from the following origins:—Haiti, 6,107 pounds; Italy, 11,051 pounds; and China, 4,185 pounds.

Soap—The spot market was considerably lower, whole standing at 17c. to 18c. per pound; crushed, 20c. to 21c.; and cut, 21c. to 22c. This was a competitive development that reflected a readjustment of spot prices in line with replacements. Importations last April totaled 87,290 pounds, according to the Department of Commerce.

Beans

Vanilla—Little change developed in the market for this article. Demand continued reasonably active and compared satisfactorily with that in the past fortnight or so. Reports from all origins continued to indicate dissatisfaction of shippers with the prices at present obtainable and reports on spot still suggested to buyers that purchases at current levels were apt not only to be financially safe but actually advantageous to manufacturing consumers. According to the Department of Commerce, April imports were as follows:—From Mexico, 15,129 pounds; Leeward Islands, 523 pounds; Indonesia, 4,000 pounds; French Pacific Islands, 12,521 pounds; Seychelle, 661 pounds; and Madagascar, 91,009 pounds—a total of 123,843 pounds.

Berries

Cubeb—Replacement cost alone resulted in prices being maintained on the spot. Interest of manufacturing consumers was limited to relatively small quantities during the past week.

Juniper—Price shading was still a common practice and considerable material remained available in what might be called "outside" hands as distinguished from regular botanical dealers. All holders reported demand confined to jobbing requirements.

Flowers

Chamomile—Jobbing business was a price support but on the whole the market appeared slightly softer on the surface at least because of the comparatively limited interest of buyers. April importations were confined to 640 pounds of flowers originating in Belgium and, therefore, the so-called Roman item.

Clover—Domestic collection seemed unlikely to be more than moderate and it appeared as though little attempt toward stimulation of collection was being applied in the domestic primary market. Dealers expected ample stocks to be available abroad.

Saffron—The market was reasonably firm, considering the not very active takings on the part of consumers and distributors. Prices were well maintained and did not appear to offer much in the way of competition. April imports recorded 482 pounds from Spain and 227 pounds from Italy—a total of 709 pounds.

Gums

Aloe—The markets were generally firm and sellers here and at the origins failed to accept any bids submitted during the past week. Stocks were moderate in size in local quarters. April imports from Venezuela totaled 14,816 pounds.

Arabic—Movement was in decreased quantities that covered moderate requirements of smaller consumers. Prices remained in line on spot with those prevailing at the origin. April imports totaled 1,045,517 pounds, being 7,225 pounds from Lebanon, 110,991 pounds from Egypt and 927,251 from Sudan.

Karaya—Reduced production of basic products by some consumers of this gum has tended to slow business in the latter item, and prices were not overly steady last week. April imports totaled 665,848 pounds from India, but considerable quantities of that total were detained by the

Market Trends

Prices Advanced

Drugs

Ergot, 40c. per lb.
Ginger, Jamaica, Rhatteon, 1c. per lb.

Other Articles

Cumin seed, Persian, 1c. per lb.
Dillseed, natural, ½c. per lb.
Grains of paradise, ½c. per lb.
Mace, West Indian, spot, 2c. per lb.
Mustard seed, Montana, yellow, ½c. per lb.
oriental, ½c. per lb.
Washington, yellow, ½c. per lb.
Nutmegs, East Indian, 1c. per lb.
Paprika, Chilean, 1c. per lb.
Pepper, black, spot, 1c. per lb.
afloat, 2c. per lb.
Aug.-Sept. shipment, 4c. per lb.

Prices Reduced

Drugs

Senega root, 5c. per lb.
Soapbark, whole, 5c. per lb.

Other Articles

Anise, Syrian, ½c. per lb.
Cassia, Honan, unscraped, broken, ½c. per lb.
Yunnan, unscraped, rolls, ½c. per lb.
broken, ½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
181.5	178.8	180.3	201.6

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended July 8

Cardamon seed, 41 cases: shells and siftings.
Cassia oil, 25 drums: not USP.
Cod oil, 300 drums: decomposed.
Ergot, 72 bags: excess moisture; not NF.
Manna, 20 cases: insect filth.
Nutmegs, 230 bags: wormy.
Olive oil, 100 cases: short weight; quantity of contents improperly declared.
Orange peel, 107 bags: wormy, moldy and dirty.
Pepper, black, 448 bags: insect bored and moldy.
Streptomycin, 7 cases: certificate expired.

For Late Market Developments, See Page 4

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government. However, fewer detentions have been appearing of late.

Mastic—Spot prices were inert. So was demand. April imports totaled 2,204 pounds from Greece.

Myrrh—The April importation totaled 5,600 pounds from British Somaliland, according to the Department of Commerce.

Herbs and Leaves

Henbane—The market was competitive mainly because of the limited demand current at the present time. According to local dealers, stocks protected needs fairly well ahead. April imports at 6,434 pounds came from Belgium, said the Department of Commerce.

Henna—Seasonal demand was said to be very good and the movement into consumption was reasonably satisfactory in most quarters. Importations last April totaled 51,017 pounds, originating 39,860 pounds in Egypt and 11,157 pounds in Sudan.

Lobelia — No further price decline in country buying prices have been reported, but it was clear that to this time stocks laid in at the origin have, in numerous instances, been at a somewhat lower cost than prevailed a month ago, but not much cheaper than what was paid late in 1948.

Senna—Cables showed shipment prices on the firm side in India and certainly lacking weakness in the Near East. The new consuming year in this market has started with a not undue carryover of supplies. April imports totaled 90,191 pounds from India.

Stramonium—Stocks were ample in size and were not being reduced much by the current demand from manufacturing consumers. April importations totaled 6,590 pounds, consisting of 5,523 pounds from Hungary and 1,067 pounds from Algeria.

Thyme—Most recently received cables originating in France established a shipment position at 15½c. per pound, being a moderate decline that indicated absence of much interest at the moment. Spot quotations on French and Spanish herb were unchanged.

Miscellaneous

Ergot—Lack of firm offerings from Europe, small and shrinking stocks on spot, inability to replace abroad at anything like recent spot quotations, and in keeping with a general disposition to curtail present spot operations until the true situation with respect to new crops abroad shall be revealed, sellers in this market set spot quotations at $1.85 per pound late in the period and only small lots could be obtained at any price.

Lycopodium—Few sales were believed to have been made at any point, and the market seemed virtually nominal. April imports totaled 1,650 pounds from Canada.

Manna—Inactivity as concerned spot stocks gave some interest to the April importations of 1,617 pounds from Italy and reported last week by the Department of Commerce.

Nux Vomica—Shipments cables showed no easing of Far East prices. French Indo-China exports have kept the market well supplied, the latest report being an arrival of 111,995 pounds from that origin last April.

Papain—Competition was still of the rough-and-ready variety that kept prices down and under more or less constant pressure. April arrivals were: from India, 2,240 pounds; Ceylon, 3,428 pounds; and British East Africa, 24,070 pounds—a total of 29,738 pounds.

Roots

Blackberry—Country collectors are paying less for this root today than they did late in 1948. The decline, however, has been insufficient to affect prices asked on the spot carryover.

Blood—Dealers here show virtually no interest. Offerings made to the spot from the country resulted in rejection, but also brought a suggestion that dealers here would not be interested save at prices at least 6c. per pound below those proposed by country collectors last week. The spot market at 45c. to 50c. was far above country levels.

Cohosh—Dealers here and consumers of black cohosh in the nation were apparently aloof from the market, possibly with the intention of permitting costs in the country to decline as far as possible before needs enter the market on a firm basis. The spot quotations continued in steady position and seemed apt so to continue until such time as new crop goods bought at lower prices are put into spot stores.

Ginseng — Limited interest in export parcels failed to break prices down any further. Prime quality root was said to bring substantially more than country collectors are buying at thus far this month. Some imports took place last April. They

were 221 pounds from Canada, 1 pound from China, 80 pounds from Korea and 3 pounds from Hong Kong.

Ipecac—Importations last April, according to the Department of Commerce, totaled 2,691 pounds, all from Colombia. During the past week, some matto grosso root arrived from Brazil. Prices on whatever variety and wherever offered showed considerable strength.

Mandrake — Consumers apparently expect to cover needs for less money than they did in 1948. To this time no substantial amount of buying for consumption has been reported on this market, and advices from country suppliers also fail to indicate increase in movement to consumers. On the contrary, the recent trend in buying and selling prices has been downward at the origin.

Rhubarb—A jag of root arrived from Hong Kong during the past week, but it was doubted that much of it would come on the open market. Stocks have been very small for some time past, and considerable selling against the current arrival appeared to have been done. Prices failed totally to turn in favor of buyers.

Senega—More competition succeeded in depressing the spot quotations still further, and at the end of last week it was thought possible to shade the market as quoted at $1.35 to $1.40 per pound. The lack of a normal export requirements seemed still to be having an adverse effect on prices at the origin.

Valerian—Belgian root on spot has moved up moderately in some quarters, but there remained some who, at a late hour in the week, were disposed to take on a moderate business at 37c. to 40c. per pound. Replacement was said to be up some.

Seeds

Anise—Syrian seed was a fraction lower at 14½c. to 15c. per pound. Other varieties lacked change. Demand remained small.

Cardamom — The market remained strong on spot and at the source, but new developments were lacking. Very little material could still be obtained out of spot stores.

Cumin—Persian seed was again available on spot and the prompt delivery quotations were higher at 23½c. to 24c. per pound. Turkish material seemed available only in future arrival position.

Fenugreek—Several shipment proposals failed to result in orders on this market last week. Attempts to bid down recent prices at which seed had been bought in Morocco failed utterly. April imports totaled 209,678 pounds, of which 133,346 pounds came from India and 76,332 pounds came from Morocco.

Mustard — Some substantial business—100,000 pounds were wanted by a domestic mustard manufacturer—was in the market last week and revealed the fact that Montana stocks were very small—much too small to accommodate an order of that size. Prices were higher at 10½c. to 11c. per pound for yellow and 5¾c. to 6c. for oriental quality. Washington yellow was also advanced, and ended the week at 11c. to 11¼c. per pound.

Spices

Cassia—Demand was small, but most prices were inert. Yunnan unscraped rolls were lower at 12½c. to 13c. per pound for whole and 11½c. to 12c. for broken material. Also, unscraped Honan rolls were shaded to 13c. to 13½c. Cassia from China and Batavia showed no movement.

Ginger — All reports stressed basic strength in price and low estate as to supply in whatever primary market. And the spot differed not at all from the sources in those respects.

Mace—Prices remained strong, but the sole change came in West Indian goods on the spot, where they were higher at 82c. to 82½c. per pound.

Pepper—Shortly after the turn of midweek, price activitiy was renewed and quotations moved up gently to $1 to $1.01 per pound for spots and afloats nearby; August-September, $1.01 to $1.02; January—March, 78c. to 79c. However, buyers were somewhat slow in taking on additional supplies.

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Essential Oils, Other Aromatics

Prices for essential oils and aromatic chemicals were substantially steady during the past week and the market index remained at 102.5 in comparison with 122.9 prevailing a year ago following a drop of 1.9 points. The feeling that many oils had reached the bottom of likely price decline was fairly well spread throughout the market. In fact, some oils have actually reacted upward at the origins, although others have steadied at levels lower than their prewar lows. Not all advances in replacement costs have been reflected in spot prices, mainly because of the conservative character of domestic buying.

Information reaching dealers suggested to them that manufacturing consumers have allowed inventories to drop to virtually dangerous levels. If, as some dealers think, the period of price declines is, in a broad sense, at an end, then it would appear that the main reason for low inventories has been eliminated. For consumers to keep inventories subnormal in size could prove to be a dangerous policy under present conditions. Exceptions may be those oils now in actual or impending new crop position. Dealers generally believe that buyers should examine their position carefully, keeping prominently in mind the fact that sudden and unexpected price advances are not impossible under conditions now prevailing at numerous origins.

Crop condition reports on mint oils were adverse on July 1 so far as Michigan was concerned and hardly encouraging in Indiana. The lower Yakima valley crop in Washington state was called only fair. Along the lower Columbia river, it was better though not of the best. Anise and cassia oils remained potentially strong but uneventful. Lavender was firmer but lavandin remained easy. Citrous oils were in liberal demand and supply at steadier prices. Geraniol and synthetic menthol makers took liberally of Java type citronella. More lemongrass may be consumed by cause of synthetic vitamin A being produced from beta ionone, a derivative of the oil.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
102.5	102.5	101.6	122.9

(For Current Prices see Page 9)

Essential Oils

Almond—Although the market has failed to undergo further price reduction, it continued to be rather unsteady last week and values tended to move in favor of buyers. The reduction in prices made recently established new levels made possible by the opening of importations from abroad.

Anise—Plentiful stocks have kept from this market the upward reaction that might have been expected to develop in prices by reason of the communists successes in China and their threat to Canton, Hong Kong, and areas from whence comes anise oil. The market was still well above postwar lows and suppliers felt that purchase by consumers would be safe at current levels. The ultimate outcome of the China situation naturally remains to be determined.

Bay—The market lacked any substantial amount of activity but, nevertheless, prices remained relatively steady on spot and in line with the prevailing prices in the primary market.

Bergamot — Manipulations in foreign currencies occasionally bring about a lower import cost on this material but, in the main, the official price of the Consortium in Italy constitutes the replacement cost to this market and prices current on the spot were said closely to be calculated on the official basis.

Bois de Rose—The belief that this article is overproduced in Brazil where the government is attempting to maintain a floor under export prices was rather general in this market. Changes of spot prices in favor of buyer usually are the result of success attending various devices whereby the official floor is pierced.

Cardamom—Stocks continued to be relatively nominal and seem likely so to continue until replacement cost shall be changed by a lower market in the Far East. Some raised the question of qualities of oil actually available on the spot.

Cassia—Offerings from the source were limited in number and quantity and because the market there is sensitive to the political situation arising from communist army successes, replacement and spot prices show a tendency to rise. However, dealers called present spot prices distinctly favorable last week.

Cedarleaf—This oil has become available in larger quantities from current production and at prices that still tended to create an increasingly competitive spot market for the article.

Cinnamon—Removal of floor prices in Ceylon has resulted in prices at lower levels. However, a steadier position prevails there at the present time and spot is in similar position. Estate quality oil was reported steady to firm and a rise in prices was believed to be more than a possibility. Oil produced in Guatemala and Honduras and described by some as being Java type still dominated the supply situation. The upward tendency of prices traced to good demand for geraniol and synthetic menthol manufacturers.

Clove—The position of actual and potential strength continued to prevail. Stocks in some quarters were said to tend toward a short position. The possibility of a rise in export taxes in Zanzibar was far more than a rumor, according to agents of primary market shippers at this origin.

Dillweed—Spot prices fail to drop into line with the predicted lower new crop levels, mainly because of the relatively small carryover. The existence of a better than usual demand, if continued, was expected to eventually produce a squeeze between now and new crop becoming available.

Eucalyptus—The attempt of Australian to regain the markets lost to producers of this oil in Portugal and South America has not been successful to this time despite the fact that much of the Portuguese and South American oil has been in the lower grade category.

Geranium—Production of superior quality of oil in Algeria was said to be relatively small and only the absence of more than moderate demand has kept prices from advancing still more. Most reports from Reunion island continued to be bullish and much of the oil still available there was said to be inferior in quality. Further advance in prices would seem inevitable should consumption expand in the not distant future.

Ginger—Prominent suppliers expected the market to continue its recent advance, mainly because no weakness in raw material seemed possible and the season of largest consumption lies ahead. All reports from London concerning the situation in African and Jamaica ginger were distinctly bullish and backed by small stocks.

Lavandin—Though no lower in price, the market continued weak to the point where low returns to the actual producers were likely to result in a major curtailment of production and to cause the distillers to hold stocks for a rise.

Lavender—Offerings from the origin were few in number and a firmer tone appeared to govern the price position abroad. Whereas not so long ago the origin supply was widely representative of the wide range of lavender oil qualities, the current situation in that respect was less favorable and it was difficult to be selective as large quantities are under request. Spot prices were steady.

Lemon—Demand continued to be brisk in most quarters and the movement of domestic oil into consumption had a still firming effect on prices. At least, competition in terms of price shading was not so prominently a part of the market. Much Italian oil offered was of low to indifferent quality and for grades comparable with the California product much more than the California price of $2.80 to $3 would have to be paid.

Lemongrass—The fact that synthetic vitamin A can be produced from a derivative of lemongrass may ultimately have a major effect on the price for the oil. The vitamin source of beta ionone.

Lime—Production in Mexico is late this year. Little oil is being carried over in any market. And damage to groves by the black fly pest continued to increase. To these factors of market strength might be added the lively demand for fresh fruit. New crop shipments from the West Indies islands are not expected earlier than September. That means that the

For Late Market Developments, See Page 4

season of largest consumption in this country will find the market short of stocks.

Orange—The price of $1 per pound named by one major producer of California oil is the lowest in ten years. Competition between the several producers of California oil has brought a market minimum at 80c. per pound, according to brand.

Patchouli—The range in quality of available oil was very wide and most consumers found purchase impossible save by sample. Reasonably good to excellent qualities have tended upward of late and some dealers expect further rise in such items.

Peppermint—According to the July 1 Truck Crops report of the Bureau of Agricultural Economics, "Prospects in Michigan are generally very poor. Damage from several frosts has reduced stands considerably, and most mint is less than 1 foot high. Fields in the lower Yakima Valley in Washington are generally in only fair condition. In the western mint district along the lower Columbia, conditions are better, but dry weather is slowing growth. In Indiana the third damaging frost to peppermint occurred May 26. Recovery is slower than expected earlier. Stands are thin and a light crop is probable."

Spearmint—The Truck Crop report of July 1, issued by the Bureau of Agricultural Economics, was distinctly adverse with respect to crop prospects. Recovery of spearmint from the last frost was slow because freezing was aggravated by wind damage. Stands are sparse and low yields are expected especially in the southern end of the production area.

Aromatic Chemicals

Coumarin—The market was steady and some dealers indicated a recovery of demand along more active lines during the past week. Quotations did not appear destined for a further drop at an early date.

Ionones—Demand for beta ionone may cause a rise in the purchasing of lemongrass oil for the production of that ionone. The higher consumption of beta ionone may be traced to the fact that it has become the starting point for the manufacture of synthetic vitamin A as made by one producer.

Geraniol—Lively demand has steadied and even strengthened the spot market on this material. The improved movement has resulted in a firming of the raw material market to a substantial degree. No tendency toward further price shading on Java type of citronella oil existed.

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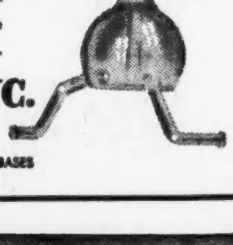
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DCAT Reservations Exceed Shawnee Accommodations

Committee chairmen meeting on July 14 to discuss plans for the forthcoming fifty-ninth annual meeting of the Drug, Chemical and Allied Trades section of the New York Board of Trade were faced with the problem of what to do with reservations in excess of accommodations at Shawnee Inn, Shawnee-on-Delaware, Pa.

The popularity of the meeting, which is scheduled for September 22 to 24, has produced such a flood of advance reservations that the capacity of the inn has already been reached. This is in spite of the fact that for the first time it will be a closed meeting, restricted to representatives of member firms.

In discussing the overall program, the committee decided there would be one business session, on the afternoon of Friday, September 23. This session will be concerned with the presentation of annual reports, the election of an executive committee and an address by an invited industry spokesman. Further details of the business meeting will be announced later.

The golf tournament and the competition for the DCAT trophy will be conducted by Harold C. Green, of L. Sonneborn Sons, Inc. Miscellaneous sports will be handled by Claude A. Hanford, of Pharmaco, Inc. Clark L. Rodgers, Owens-Illinois Glass Company, will head the committee in charge of the reception, on September 22; Lloyd I. Volckening, Ivers-Lee Company, is committee chairman for the dinner, to take place September 24, and J. P. Remensnyder, of Heyden Chemical Corporation, heads the committee handling registration.

Firmenich Names Foley Midwest Operations Head

Firmenich & Co., perfume materials and synthetic flavors, New York, has appointed William G. Foley to direct its operations in the midwest. Mr. Foley, who has been with the company for ten years, will make his headquarters at 612 North Michigan avenue, Chicago. He was technical director of the company's New York laboratories for five years and has most recently been advising on technical problems throughout the country.

Soap, Glycerin Producers Expand Ass'n Membership

The board of directors of the Association of American Soap and Glycerine Producers has voted to broaden the membership of the organization to include manufacturers of synthetic glycerin and synthetic detergents.

Roy W. Peet, manager of the association, explained that the organization was set up for the promotion of soap and kindred products, and that a large number of its members are now marketing synthetic detergents as well as soaps. "The extension of membership to companies making synthetic detergents," he added, "makes possible a greater effort to advance the cleanliness standards of our people, in terms of personal, household, and community cleanliness."

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Protective Coatings Materials

Price hardening in copper and lead, which got underway during the previous seven days, continued last week, as both metals advanced again. The market for coatings materials was quick to react, producers of lead pigments immediately adjusting their schedules to fit the situation. That these revisions were of major caliber was reflected in the index, which showed a gain of 3.6 points to a new reading of 205.4, the first such upturn since the beginning of the year.

Upward pressure in the lead market, occasioned by intensified commercial and government buying, pushed the price of that metal up 1 cent per pound during the week. This made an overall gain of 2 cents since July 8. Derived pigments were moved up accordingly. Red lead, litharge and mineral orange each were advanced another 1 cent. Basic silicate white lead was raised an additional ½ cent to 1 cent per pound, depending on the brand. Dry white lead was upped an added ¾ cent. Combined with a similar increase, effected earlier by one manufacturer and later seconded by other makers, this made an overall rise of 1½ cents in basic carbonate white lead since July 8. Finally, lead sulphate was hiked 1½ cents per pound.

Copper, which rose ⅝ cent during the period for a two-week gain of 1⅝ cents, produced no immediate reaction among sellers of the oxide. As of press time, prices were unchanged. Leaded zinc oxides, which bear a close relationship to the price of lead sulphate, were firm because of price guarantees currently prevailing in the trade. However, these commitments expire on July 30, and the trade expects that August schedules, due late next week, will take into account the recent strength displayed in the pig lead market. Chrome colors, molybdate orange and American vermilion, also normally influenced by the price of lead, continued steady. Furthermore, there was no indication of what action, if any, producers intended to take.

Following closely behind a 25-cent reduction in cresylic acid, one producer of tricresyl phosphate cut the coaltar grade 3 cents per pound. Other makers did not immediately follow suit, but were expected to take similar action early this week. Indications were that petroleum grades of this plasticizer would be revised by a like amount. Meanwhile, di-isooctyl and di-octyl phthalates were each lowered 1 cent per pound in line with the lower cost of the intermediate. Action on the latter material was uniform throughout the trade, but there were still holdouts on di-isooctyl phthalate at week's end.

Curtailed production, brought on by huge government purchases of skimmed milk powder and the recent hot spell, drove up the price of domestic casein 1 cent per pound. Imported was firm. However, quotations on both materials were nominal since there was a drought of buying activity. Copper and lead driers were maintained at previous price levels in the face of advances in their respective metals.

Chemically-isolated soybean protein, up ½ cent as of July 10, was firm at the higher quotation.

Market Trends

Prices Advanced

Casein, dom., acid-precip., 1c. per lb.
Lead, blue, basic sulphate, 1½c. per lb.
Red, 95%, 1c. per lb.
97%, 1c. per lb.
98%, 1c. per lb.
White, basic carbonate, 1½c. per lb.
basic silicate, ½c. to 1c. per lb.
basic sulphate, 1½c. per lb.
Litharge, 1c. per lb.
Orange, mineral, 1c. per lb.
Soybean protein, chemically-isolated, ½c. per lb.

Prices Reduced

Di-isooctyl phthalate, 1c. per lb.
Dioctyl phthalate, 1c. per lb.
Rosin gum, Savannah, G, H, I, K, M, 5c. per 100 lbs.
WW, X, 2c. per 100 lbs.
Tricresyl phosphate, coaltar, 3c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
205.4	201.8	201.8	202.3

(*For Current Prices see Page 9*)

Prime Pigments

Aluminum Paste, Powder — Despite a slight rise in inquiry last week, producers reported that there was still considerable room for improvement. There was no dearth of the metal or derived pigments. Prices held firm at previous levels, and there was no indication of any imminent changes.

Chrome Colors—Although metallic lead moved up another 1c. last week for an overall gain of 2c. per pound since July 8, schedules on these pigment materials remained unchanged. CP greens were at 36c. to 46¾c.; reduced grades of green were listed at 12¾c. to 28¾c., while both orange and yellow chromes brought 30¼c. per pound. Demand was said to be sluggish, Summer layoffs accounting for a further reduction in call.

Copper Oxide—Quotations were steady on this derived pigment in the face of another rise in copper, the metal advancing ⅝c. per pound to a new market price of 17⅜c. for electrolytic. Black oxide continued at a range of 23½c. to 26¼c., while red was listed at 25½c. to 28¾c. per pound.

Lead Pigments—Sustained buying and the reported closing of a sizable government contract pushed the price of lead up another 1c. per pound last week, making an overall rise of 2c. in the metal since July 8. The new price of prime lead in pigs is 14c. per pound, New York, and 13.85c., East St. Louis. Sellers of derived pigments were quick to follow with further 1c. advances on red lead, litharge and mineral orange. Basic silicate white lead was raised an additional ½c. to 1c. per pound, depending upon the brand. Dry white lead was upped another ¾c. Earlier in the week, producers seconded a similar rise effected by one producer during the previous seven-day period. Thus, basic carbonate white lead was up 1½c. in all over pre-July 8 levels. Basing their schedules on 14c. metal, sellers hoisted lead sulphate an aggregate of 1½c. per pound during the week.

Following are current market quotations:—Lead sulphate, 14¾c. to 15¾c.; red lead, 95 percent, 16¾c. to 17¾c.; red lead, 97 percent, 17c. to 18c.; red lead, 98 percent, 17¼c. to 18¼c.; basic carbonate white lead, 16¼c. to 17¼c.; basic silicate white lead, 15½c. to 19¼c; litharge, 16c. to 16¾c., and mineral orange, 20.10c. per pound.

Lithopone — Business continued in the doldrums. In fact, demand during the week was said to be slower than its previously sluggish pace because of vacations and Summer shutdowns by consuming industries. Prices were stable all around, continuing at 6¼c. to 6⅝c. per pound for ordinary and at 8¼c. to 8½c. for titanated material.

Mercuric Oxide — Quicksilver was offered at $79 last week for lots of fifty flasks, but there were few takers. The prevailing market price continued unchanged at a range of $79 to $84 per flask. Oxides were similarly steady, holding at $2 to $2.02 for red and at $1.93 to $1.95 per pound for yellow.

Orange, Molybdate—The price of this pigment material continued unchanged at 43c. per pound, despite the further 1c. advance in metallic lead. Sellers antici-

Paint, Varnish, Lacquer Sales: May

The value of sales of paint, varnish, lacquer and fillers in May, 1949, as reported by 680 establishments to the Bureau of Census, was $89,408,632. These establishments accounted for approximately 90 percent of the total value of the output of the industry as reported in the Census of Manufacturers for 1939. Included are data on sales of water-thinned paints and nitrocellulose lacquers, which formerly were published separately but have since been discontinued. Details of sales reported with comparative data for 1948 follow:—

	Total sales reported by 680 establishments	Classified sales reported by 580 establishments: Trade-sales of paint, varnish, and lacquer	Industrial sales: Total	Industrial sales: Paint and varnish	Industrial sales: Lacquer	Unclassified sales reported by 100 establishments
1949—May	$89,408,632	$52,730,333	$27,610,626	$20,564,696	$7,025,930	$9,067,673
Total, *5 months	406,918,862	227,615,630	140,335,454	106,099,768	34,285,683	38,967,778
1948—May	99,075,512	57,621,842	31,908,678	24,845,741	7,062,937	9,544,992
Total, 5 months	455,401,529	247,013,758	163,400,226	124,370,303	39,039,923	44,987,245

* Revised.

For Late Market Developments, See Page 4

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COLOR, Barrett Scale	3
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DIVISION
Pan American Refining Corp.
122 EAST 42nd STREET NEW YORK 17, N.Y.
Plant
Texas City, Texas

pated no immediate adjustments. Business was poor in the main, vacation schedules accounting for the laxity of demand.

Red, Organic Toners — Lithol, para and toluidin toners were all in excellent availability during the past seven days. Call for these materials, however, was slight, due mainly to reduced Summer operations by paint makers. There were no price changes and none were expected within the immediate future. Lithol toner was quoted at 80c. per pound. Para toner ranged from 85c. to 88c., while toluidin toner commanded $1.35 per pound.

Red, American Vermilion — The price of this pigment material held firm at 32c. per pound, although further advances, aggregating 1c. per pound by week's end, were noted for metallic lead.

Yellow, Zinc—Quotations were steady at 23½c. per pound last week. Buying interest was at a low ebb, due in the main to Summer shutdowns by paint formulators. Stocks were ample throughout the market.

Zinc Pigments—Although lead was upped another 1c. per pound during the week, for an aggregate rise of 2c. since July 8, leaded zinc oxides remained unchanged in price. Ordinarily, a 2c. rise in metallic lead would bring increases of ½c. and ¾c. per pound for 35 percent and 50 percent grades, respectively. However, because all makers are currently guaranteeing June schedules until July 30, no action was taken on the lead development. The trade expects that upward revisions will be made at the end of next week, and that August schedules will take into account the recent strength displayed in the pig lead market. At the close of last week, leaded zinc oxides were quoted at 11⅛c. to 11⅜c. for the 35 percent grade and 11⅝c. to 11⅞c. per pound for the 50 percent material.

Total production of zinc oxide in May declined 15 percent to 10,920 short tons, according to the Bureau of Mines. May output compares with 12,840 tons turned out during April and the 1949 monthly average of 13,599 tons. Producers' stocks at the close of May totaled 30,096 tons, an increase of 3 percent over the 29,230 tons held on April 30 and nearly three times the inventories on hand at the beginning of the year. Zinc oxide shipments during May aggregated 10,054 tons,

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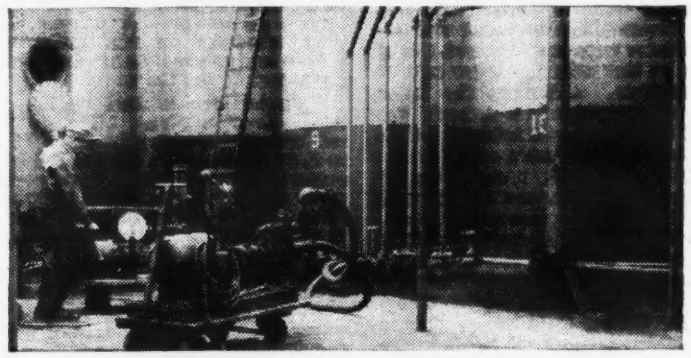

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the first gain since December, 1948. April shipments were reported at 9,026 tons, while the 1949 monthly average figured at 9,610 tons.

Fillers and Extenders

Calcium Carbonate—Importations during the past seven days totaled 400 bags of whiting from Liverpool. The market was otherwise without feature, prices, supply and demand all continuing at levels of previous weeks.

Mica—Stocks were plentiful throughout last week's market. Consuming inquiry was unchanged from previous weeks, continuing slow. Prices were on a par with previous levels. Imported during the seven-day period were 533 cases of mica from Rio de Janeiro and Calcutta.

Synthetic Resins

Resin makers kept a watchful eye on developments in the coaltar market last week, devoting particular attention to declines in phthalic anhydride and technical cresol. The former intermediate chemical was downed 1c. per pound for all quantities, while the latter material received a reduction of 2¼c. per pound across the board. Meanwhile, the resin market itself continued in the doldrums. Stocks were excellent all around. Business remained on the sluggish side.

Natural Resins

New York quotations were steady in the wake of recent strength displayed by batu scraped and Singapore No. 1 gums. There was a drought of trading in last week's market, largely because of vacation shutdowns by consuming industries. However, revival was expected within the next two to four weeks, although normal business was not due until the Fall. Dealers reported adequate stocks of all gums, with the exception on No. 1 dammar. Arrivals during the period under review were put at 670 baskets and 318 bags of copal gum from Macassar, Manila and Matadi.

Shellac—The Calcutta price steadied late last week following a climb to 132 rupees, and New York listings held fast. Nevertheless, dealers here were uncertain about the trend in the Indian market, pointing out that the situation there was volatile and might still go either way. On the one hand, importers here showed little interest in Calcutta offerings. Against this were a variety of factors, including speculative maneuvers by Indian traders, strikes in the middle provinces of India, and reports that Japan was in the market for Indian shellac. Buying here was strictly hand-to-mouth, due primarily to Summer layoffs by consuming industries. Stocks of the better orange grades remained tight. Bleached grades were quoted at 61½c. to 64c. for bonedry, and at 71½c. to 74c. for refined. Lemons No. 1 and No. 2 were at 66c. to 67c. and at 64c. to 65c., respectively. Superfine brought 59c. to 60c., while TN commanded 56c. to 57c. per pound. Arrivals last week totaled 700 bags of shellac from Antwerp.

Lacquer Materials

Di-isooctyl Phthalate — This plasticizer was lowered 1c. across the board last week, as business continued poor. Since at week's end at least one maker had not gone along with the reduction, the following range existed in market quotations: — Carload, 41½c. to 42½c.; less carload, 42½c. to 43½c., and tanks, 40c. to 41c. per pound.

Dioctyl Phthalate — Schedules were trimmed 1c. per pound throughout the trade last week. Demand remained at previously low levels. Stocks were plentiful. Following are current market listings:—Carload, 41½c; less carload, 42½c., and tanks, 40c. per pound.

Tricresyl Phosphate—On the heels of a 25c. decline in cresylic acid, one maker effected a 3c. reduction in the coaltar grade of this plasticizer. Other producers did not immediately go along, but were expected to take similar action early this week. Furthermore, it was indicated that petroleum grades also were due for a like cut this week. According to one observer, the 3c. slash in tricresyl phosphate exceeded the savings in raw materials costs which resulted from the lowering in tar acid. Following are current market quotations:—Coaltar, carload, 35c. to 38c.; coaltar, l.c.l., 35½c. to 38½c.; coaltar, tanks, 34c. to 37c.; petroleum, carload, 38c.; petroleum, l.c.l., 38½c., and petroleum, tanks, 36½c. to 37c. per pound.

Miscellaneous Materials

Asbestos—There was no appreciable improvement in the supply position last week, despite recent resumption of operations at Canadian mines. Sellers here believed that it would be another four to six weeks before any significant better-

Pine Gum Prices

Prices received by producers for crude pine gum delivered to processing plants during the week ended July 9 averaged $21.28 per standard barrels of 435 pounds, according to the Department of Agriculture. This compares with an average price of $21.31 for the previous week. The average estimated content per standard barrel was 11.39 gallons of turpentine and 298.1 pounds of rosin. Percentages of gum by grades were:—WW, 47; WG, 16; N, 11; M, 12; and K and below 12 percent. Receipts at twenty-three reporting plants totaled 30,224 standard barrels. At twenty-two of the plants receipts averaged 1,362 barrels per plant, compared with 1,516 barrels for the same plants in the week previous.

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NEW KADOX-515 ZINC OXIDE
IMPROVES ALKYD ENAMELS
IN 5 WAYS
WITHOUT INDUCING HAZE
1. *Cuts indoor yellowing*
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5. *Improves exterior tint retention*

Kadox-515 is the ONLY zinc oxide specifically developed for use in alkyd enamels. It is designed to meet the need for a zinc oxide that would provide the above 5-way benefits without inducing hazing. Also, it provides the color, brightness, tinting strength and hiding power of normal zinc oxides.
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PLANT & LABORATORY: MONACA (JOSEPHTOWN) PENNSYLVANIA

ment of stocks could be noted in this country. Meanwhile, the price structure held firm at a range of $88 for 5D and 5K to $28.50 per ton for 7T. Arrivals during the past seven days totaled 2,701 bags of asbestos fiber from Genoa and Lourenco Marques.

Asphaltum—Demand for paving grades was reported to be holding up rather well last week. Prices were steady. Cut-back was quoted at 9c. per gallon, tanks. Emulsion ranged from 9½c. to 10c. per gallon. Steam-refined quotations were at $22 per ton on 80 penetration and $21 per ton on 80-300 penetration. Call for gilsonite has been off a little, but an upturn in business was noted last week. Selects were at $36.50 per ton, as was the jet grade. Seconds brought $31 per ton.

Casein—The cut-back in native production, occasioned by huge government purchases of skimmed milk powder and the recent spell of hot weather, last week resulted in an advance of 1c. per pound in domestic casein, pushing that material up to 21c. per pound nominal. Meanwhile, the imported grade held steady at 19¾c. to 20c. nominal. In the Argentine, the situation was still confused. Producers there were still quoting 15c. to 15¼c., Buenos Aires basis.

Among the complicating factors involved were the recently signed Anglo-Argentine trade pact and the long-felt belief that there would be an imminent change in the exchange rate. Business in this country, however, remained at a standstill. There was a slight flurry of demand for domestic casein at the turn of the quarter, but there were no signs of interest last week. Substitute materials continued on the increase. Imported last week were 280 bags of casein from Buenos Aires.

Commodity Credit Corporation for the week ended July 8 purchased a total of 4,287,506 pounds of spray process skimmed milk powder and 2,836,607 pounds of roller process.

The Bureau of Agricultural Economics reported May production of domestic casein at 3,225,000 pounds, a rise of 42 percent from the 2,265,000 pounds of a year earlier and a gain of 17 percent from the five-year May average of 2,748,000 pounds. The seasonal gain in output from April to May was less sharp this year than a year earlier or for the 1943-1947 April-May average. During the first five months of this year, production totaled 10,695,000 pounds, a gain of 55 percent from the 6,910,000 pounds for the same period in 1948 and a rise of 27 percent over the five-year average of 8,436,000 pounds.

Copper Driers—Prices were unchanged last week, despite the further 5/8c. advance in the metal. It was uncertain what action sellers would take, since it was believed that schedules had not yet been brought into line with recent drops when the upturn in the metal occurred.

Lead Driers—This section was quotationally unchanged in the face of the further strength displayed last week by pig lead. At press time, it was still uncertain what action would be taken in the drier market.

Soybean Protein—The chemically-isolated grade, upped ½c. as of July 10, was firm at the higher level last week. The price in 40,000-pound lots was 18½c.

Naval Stores

The record of the gum naval stores markets over the week ended July 15 was as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday	
B	$5.75	$5.75	$5.75	$5.75	$5.75	$7.10	$7.85
D	6.00	6.00	6.00	6.00	6.00	7.10	7.85
E	6.36	6.36	6.36	6.36	6.36	7.58	8.33
F	6.36	6.36	6.36	6.36	6.36	7.58	8.33
G	6.53	6.53	6.53	6.53	6.48	7.58	8.33
H	6.53	6.53	6.53	6.53	6.48	7.58	8.33
I	6.53	6.53	6.53	6.53	6.48	7.58	8.33
K	6.53	6.53	6.53	6.53	6.48	7.58	8.33
M	6.53	6.53	6.53	6.53	6.48	7.58	8.33
N	6.53	6.53	6.53	6.53	6.53	7.58	8.33
WG	6.53	6.53	6.53	6.53	6.53	7.58	8.33
WW	6.61	6.61	6.61	6.61	6.59	7.65	8.40
X	6.61	6.61	6.61	6.61	6.59	7.65	8.40

Drums

Sales					400
Receipts	337	555	372	216	767
Shipments					
Stocks	28,186	28,723	29,095	29,311	30,078

Gum Turpentine

	Savannah Exchange—Bulk Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ref. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday	
Per gal.	.36¼	.36¼	.36¼	.36¼	.36¼	.44	.54
Sales, bbls.	320	...	...	...	...		
Receipts, bbls.	505	213	826	93	399		
Shipments, bbls.	273	29	211	74	20		
Stocks, bbls.	5,693	5,877	6,492	6,511	6,871		

CROWN OIL'S LATEST ALKYD C-589
GIVES ENAMEL MANUFACTURERS A HANDFUL OF FEATURES

SPECIFICATIONS — C589

Solids	60% in M.S.
Viscosity	T-U(G-H)
Wt. per Gal.	7.75 lb.
Color	6-8 (Gar.)
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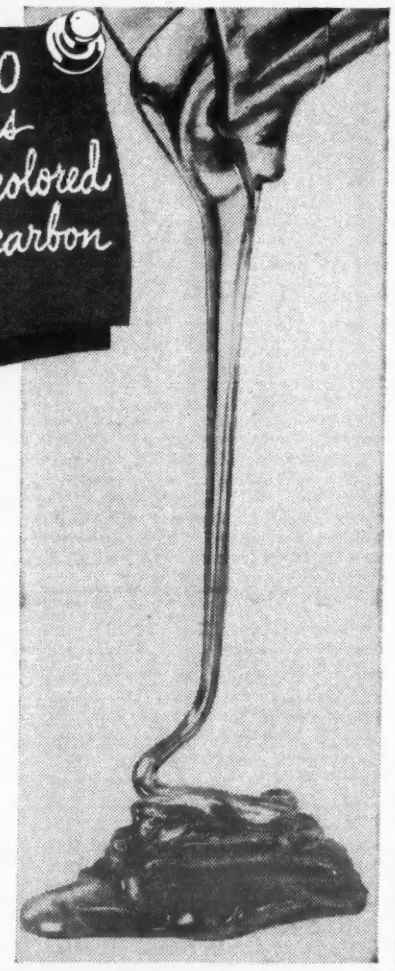
Indopol H-300 — a highly viscous non-drying, light colored synthetic hydrocarbon product.



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Available in seven grades

BRAND NAME	Indopol L-100	Indopol H-35	Indopol H-100	Indopol H-300
Viscosity 210° F., Saybolt sec.	93.8	377	1040	3000
Specific Gravity 60°/60° F.	.854	.871	.881	.894
Color, NPA	2	2	2	3
Pour Point (ASTM) °F.	—25	0	20	35

Additional grades, and their Saybolt viscosities at 210 °F., are L-10 (40.6 sec.), L-50 (68.2 sec.) and H-50 (540 sec.).

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Paint Price Reductions Becoming Industry-Wide

The industry-wide movement to lower prices on paint products became more general last week as seven more companies announced their intentions along this line.

E. I. du Pont de Nemours & Co., Wilmington, substantially reduced prices of its trade sales paints, which includes household, maintenance and pleasure boat finishes. Retail cost of the paints is in the neighborhood of $1 per gallon less than previously. It was also announced that a new line of du Pont porch and floor enamels will soon be available in twelve colors, with prices about 50 cents per gallon lower than the two lines formerly sold for this purpose.

The Glidden Company, Cleveland, has notified its dealers of paint price reductions averaging about 8½ percent, retroactive to July 5. The reductions involve cuts of 55 cents, or 13 percent a gallon on house paints; 25 cents, or 5½ percent on enamels, and 20 cents, or 6 percent a gallon on wall finishes.

The Keystone Varnish Company, Brooklyin, N. Y., issued a new general price list showing reductions averaging 10 percent on its paints, varnishes and enamels, while the H. B. Davis Company, Baltimore, lowered prices for its household paints by slightly more than 10 percent.

Cook Cut Paints and Brushes

The Cook Paint & Varnish Company, Kansas City, made price reductions ranging to 13 percent on paints, varnishes and enamels and an average of 15 percent on brushes. The largest price reduction was made on exterior house paint, with the new retail price of $4.98 a gallon showing a markdown of 75 cents.

John Lucas & Co., Philadelphia, made an overall price reduction of around 10 percent at the dealer level for its trade sale products, effective July 5. W. P. Fuller & Co., San Francisco, made price reductions ranging from 20 cents to $1 a gallon on its products, effective July 11.

ECA Announces Additional

—*Continued from page 4*

States; $300,000 for essential oils except citrus oils, peppermint and spearmint from Latin America; and a decrease of $85,000 for copra from the Philippines.

To Denmark—Decreases of $440,000 for petroleum and $20,000 for oilcake and meal from the United States; and a decrease of $106,000 for copra from the Philippines.

To France—$130,000 for copper and a decrease of $38,000 for industrial chemicals other than alcohol from the United States.

To French Zone Germany — Decreases of $14,000 for industrial chemicals other than alcohol, and $82,000 for non-metallic minerals from the United States; and a decrease of $78,000 for chemicals excluding fertilizer and synthetic rubber from Latin America.

To Greece—Decreases of $38,000 for vegetable oils and fats, and $75,000 for inedible molasses from the United States; a decrease of $433,000 for petroleum from the Middle East.

To Italy—$42,000 for copper from the United States.

To Netherlands—Decreases of $565,000 for petroleum and $36,000 for non-metallic minerals from the United States; a decrease of $90,000 for petroleum from the Middle East and a decrease of $300,000 for petroleum from Latin America.

Trieste Gets Oils

To Trieste —$96,000 for lard, $67,000 for linseed oil, and $22,000 for vegetable oils and fats, all from the United States.

To United Kingdom — $178,000 for metallic ores and concentrates, $120,000 for vegetable tallow and wax, except soap stock, $403,000 for zinc, and decreases of $150,000 for fertilizers, $7,000,000 for petroleum, $98,000 for lead, and $1,800,000 for chemicals excluding fertilizers and synthetic rubber, all from the United States; $3,450,000 for zinc and $4,842,000 for copper from Canada; $98,000 for lead from Latin America; a decrease of $175,000 for metallic ores and concentrates from Latin America and a decrease of $115,000 for petroleum from the Middle East.

Amer. Cyanamid Engages Six

The American Cyanamid Company has added Elwood Murray, Samuel Crecelius and John F. Davis to the staff of the surface coatings group of its research laboratories in Stamford, Conn. Gerald Johnson, G. Sidney Sprague and Louis Quin have also been added to the staff of the Stamford laboratories.

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Solids content-weight	49-51%	Flexibility	Very Good
Solvent	Solvesso #100 & 5% Butanol	Gloss	Excellent
Viscosity (G-H)	Y-Z	Gloss retention	Excellent
Color (Gardner)	7 Max.	Color retention—air dry	Excellent
Acid No. of solution	4-5	Color retention—bake	Very Good
Pounds per gallon	8.4	Water resistance	Excellent
Pigment compatibility	Excellent	Weather resistance	Excellent
Through dry	Good	Specific gravity	1.20
Baking speed	Very Fast	Phthalic anhydride	Present
Hardness	Excellent	Type of oil	Dehydrated Castor

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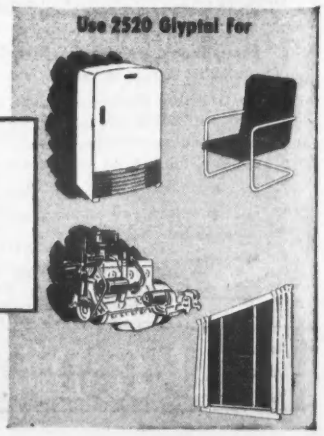

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MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
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PHILADELPHIA — Loos & Dilworth, Inc.
PITTSBURGH — Jos. A Burns
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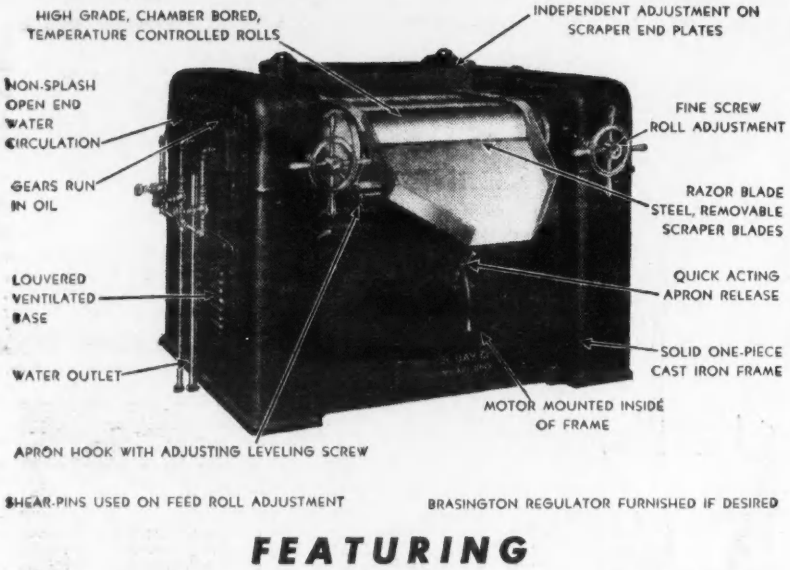
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Indian Trade Conferences Available With Attache

Joe D. Walstrom, United States commercial attache at New Delhi, India, will be available for trade conferences with local businessmen at the New York office of the Department of Commerce today through Friday. Mr. Walstrom will discuss commercial and economic conditions in India. Appointments may be arranged through the regional office at 42 Broadway.

Interlake Closes Plant

The Interlake Chemical Corporation, Cleveland, Ohio, had ceased to operate its liquid resin plant at Forest Park, Ill. Myron T. Bennett, vice-president in charge of sales, explained that the course of recent events have made it advisable for the company to close the plant.

Chemicals Transport

—*Continued from page 3*

with the uniform classification committee of all the railroads for uniform less-carload and carload ratings, which was originally made on a released valuation basis of $1 per pound, to reflect the new limitation of 50 cents per pound.

Before such a provision can be published in the freight tariffs, it will be necessary for the railroads to petition the Interstate Commerce Commission for formal approval. The shippers have agreed to support the railroads in such an endeavor.

Floor Wax Manufacturers

—*Continued from page 5*

tional test of the nature of the film remaining on the surface after the solvent or other carrier has evaporated. This determination cannot be made on a percentage formula basis.

Considerable discussion also revolved around Rule 4, which establishes the Sigler test to determine slip resistance. It was pointed out that neither the Sigler method nor any other known method will measure the slip hazard on a floor. The only method that has received any degree of acceptance by the industry is the method used by Underwriters' Laboratories, Inc. The industry objected to scrapping the Underwriters' Laboratories, Inc., method, which has been in use for the past ten years, in favor of the Sigler machiner, which admittedly is far from perfect.

Exclusion of Paints Urged

Joseph F. Battley, president of the National Paint, Varnish and Lacquer Association, urged that paints, varnishes and lacquers be specifically excluded from the proposed rules and cautioned the commission against acceptance of fair trade practice rules for the industry where a majority of the manufacturers cannot agree on their terms. Such rules would prove to be impractical and unenforceable, he warned.

Industry members vociferously objected to Rule 17, which the commission persisted in describing as a restatement of the Robinson-Watson act. The presiding officer stated that the commission's reason for including what he described as a "substantial restatement of the terms and language" of the act, rather than the language of the act itself, was to provide the businessman with an easily understood version of the law. Industry felt Rule 17 was FTC "interpretation."

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Oils, Fats and Waxes

Although trading in fats and oils was of light volume, the market was firmer, and edible oil prices were advanced. This lifted the price index to 112.0, compared with 110.8, the week previous and 215.5 for the corresponding week last year.

Sharp price upturn in peanut oil featured the market. Production was sold up and with no prospect of further releases old crop peanuts by the government for crushing purposes, buyers had to raise bids three-quarter cent per pound, to obtain oil. Soybean oil also was steadier and was advanced one-eight cent per pound. Coconut oil was higher and lifted one-half cent following the advance of $15 per ton for copra for prompt shipment.

Tung oil was continued firm and sellers advanced ideas one-quarter cent per pound. Linseed oil continued steady for spot and July delivery, while futures were unstable and lower for August forward. Dehydrated castor oil was quiet and unchanged as was refined fish oils. Palm oil was easier for spot and prompt delivery. Drums on the spot were cut 1 cent per pound and August delivery was fractionally lower.

Recent steady decline in lard was checked and the market was firmer, advancing one-quarter cent per pound. This was reflected in oleo oil and oleo stearine which were also raised one-quarter cent.

Active demand for oil meals, for immediate and prompt delivery coupled with scarcity of stocks, further stiffened the market. Cottonseed and soybean meals were lifter $2 per ton and linseed meal $5 per ton.

Cottonseed Oil

Bleachable cottonseed oil futures market was steady last week, despite the sharp fluctuations in the July delivery. Tenders on the July option totaled 106 and were stopped. The market reflected the firmness of crude cottonseed oil and lard. Bids for crude oil were raised ¼c. in the Southwest and Valley and Texas. Scattered crude sales were reported at 10¼c. per pound, tankcars, in the Valley. Market became easier at the close and was nominal at 10c. to 10¼c. and 9¾c. mills, Texas. Consuming demand for refined oil was reported slow and tankcars were quoted nominally at 13¾c. per pound, New York delivery.

Area planted to cotton was estimated at 26,380,000 acres as of July 1 by the Bureau of Agricultural Economics, compared with 23,110,000 acres a year ago and 1939-48 average at 22,015,000 acres.

Refined cottonseed oil disappearance for May totaled 310,070 barrels, compared with 315,735 barrels in April and 254,680 barrels for May last year. The visible supply of oil was estimated at 1,094,500 barrels at the end of May, against 553,700 barrels for the same time last year.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended July 15 follow:—

	Sales	High	Low	Close
		Cents per pound		
July	328	12.70	11.94	12.35—12.15S
September	338	11.90	11.35	11.65—11.64S
October	32	11.65	11.15	11.50@11.55
December	120	11.60	11.10	11.47@11.50
January	5	11.45	11.25	11.47@11.65
March	20	11.60	11.27	11.50@11.60
May	6	11.30	11.27	11.50@11.60

Total sales—849 tankcars, including switches.

Memphis—Crude cottonseed oil was bid at 10¼c. per pound, tankcars, f.o.b. Valley, July-August. Scattered sales of crude soybean oil at 9½c. per pound, same basis. Market stronger, more selling resistance encountered. Cottonseed meal 41 percent in urgent demand and held at $67 per ton sacked, Memphis. Cottonseed cake slabs bid at $62 per ton, bulk, Mississippi points.

Linseed Oil

Recent active request for linseed oil for immediate delivery subsided last week, and demand fell off to previous small lot buying. Prices for July delivery were steady, while quotations for futures were all over the lot, depending upon seller and delivery. Raw oil for July delivery was pegged at 24½c. per pound, tankcars, New York. First half August was named at 22c.; second half August, 19.9c., and September, 18.30c., same basis.

The government report forecast the flaxseed crop at 45,558,000 bushels as of July 1, compared with 52,533,000 bushels, final 1948 production, and 30,102,000 bushels, 1937-48 average. Yield per acre was placed at 9.7 bushels, against 11.1 bushels, 1948 final, and 9.2 bushels, 1937-38 average. Area planted to flaxseed was indicated at 4,694,000 acres, compared with 4,737,000 acres harvested last year, and 1937-48 average of 3,428,000 acres.

Market Trends

Prices Advanced

Coconut oil, ½c. per lb.
Copra, $15 per ton.
Cottonseed meal, $2 per ton.
oil, ¼c. per lb.
Lard, ¼c. per lb.
Linseed meal, $5 per ton.
Oleo oil, ¼c. per lb.
stearine, ¼c. per lb.
Peanut oil, ¾c. per lb.
Soybean meal, $2 per ton.
oil, ½c. per lb.
Tung oil, ¼c. per lb.

Prices Reduced

Grease, house, ½c. per lb.
yellow, ½c. per lb.
Palm oil, 1c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
112.0	110.8	116.3	215.5

(For Current Prices see Page 9)

PMA announced the purchase of 1,044 tankcars of raw linseed oil at prices ranging from 26.7c. to 27.7c. per pound, f.o.b. mills, depending upon location, in their report of June 30.

Reports from Buenos Aires last week stated that the Argentine Government Promotion Agency reduced the export price of linseed oil to 1.45 pesos per kilo (30.40c.), from 1.60 pesos (33½c.), a decline of 3.1c. per kilo. Reports in trade circles were to the effect that the agency may accept lower bids on firm offers for substantial quantities of linseed oil.

Linseed oil exports were reported at 2,455,000 pounds during January-May, 1949, compared with 14,852,000 pounds for the same period last year, while flaxseed shipments were 2,903,000 bushels, against 15,000 bushels for the same time last year.

Minneapolis—There was a brisk trade in linseed oil for spot, nearby and September shipment. Large as well as small buyers were in the market for supplies and while there was no real heavy buying in any position there was a good trade in July oil. Prices were mixed with spot oil at 23.9c. per pound, in tankcars, immediate shipment, zone 1; all-July shipment (sellers' option) 21.5c. to 22.5c. per pound; August 1-15, 21c per pound and August 15-30, 20c. per pound September oil was quoted at 18c. per pound. Prices were hard to quote and difficult to follow and while buyers were interested they were slow to take hold for anything beyond "token" amounts for later shipment. Mill production was at a high level with an estimated 80 percent going to government against crusher contracts and the remainder to private buyers. Shipping orders were good on oil and movement was relatively heavy in consuming channels.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	7,620,000	8,340,000
Since Sept. 1	282,018,000	333,854,000

Flaxseed—Crushers purchased moderate quantities of flaxseed at $5.25 per bushel from CCC. Most interest was centered in early new crop delivery.

Minneapolis—Crushers were trying generally to determine at what level the crop will move. The government's price of $5.25 per bushel was considered extremely high in view of the 1949 support price of $3.99 and while first purchases on the new crop (for July arrival) were at $3.99 a bushel the market settled off to $3.90 without difficulty. Crushers bought a few odd lots of government flax at the $5.25 level but there was no rush of business and it was estimated that sales from CCC have been under 100,000 bushels. Crop news was generally optimistic, flax doing better than wheat and small grains in the upper midwest, and while a few experts feel that the government's figure of 45,558,000 bushels was a little on the high side, it was predicted that the crop would not drop below 42,000,000 bushels. The heat and drying winds which caused so much havoc in the upper midwest, fortunately worked its way around the flax belt and while some losses were sustained in isolated districts the main crop apparently is in good shape. Bids were out at $3.90 per bushel (July arrival) and at $3.65 for August arrival as the week ended.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1948-49	Receipts 1947-48	Shipments 1948-49	Shipments 1947-48
This week	64,600	311,400	.....	66,300
Since Sept. 1	28,177,900	21,756,200	5,797,000	3,842,900

Other Vegetable Oils

Coconut—This market was stronger with copra. Crude oil was sold at 15c. per pound, tankcars, f.o.b. Pacific coast, spot. July shipment was nominal at 14¾c. and first half August shipment was sold at 14½c. per pound, tankcars, same basis.

Copra—Offers were scarce and quotations were boosted $15 to $165 per short tons, c.i.f. Pacific coast for July shipment.

Corn—Scarcity of crude stocks continued to keep this market on a steady basis. Crude oil was quoted at 11c. to 11¼c. per pound, tankcars, f.o.b. mills. Refined

For Late Market Developments, See Page 4

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oil was held at 13¼. per pound, tankcars, same basis.

Oiticica—Business was reported light. Steadiness in drying oils was reflected in this item. Liquid ranged from 17½c. to 18½c. per pound, drums, New York, depending upon quantity and seller.

Olive—There was little doing in this market. Spanish was quiet and unchanged at $3.50 to $3.60 per gallon, drums, spot, duty paid and Moroccan, $3.45 to $3.50, same basis.

Palm—This market was easier for spot and prompt delivery. Stocks on spot were reduced to 14½c. per pound, drums. Oil for August delivery also was lower and quoted at 11½c. per pound, tankcars and 13c. drums, New York basis.

Peanut—Prices were advanced ¾c. per pound, as a result of good demand and scarcity of supplies. Crude oil was offered sparingly and was sold up to 14½c. per pound, tankcars, f.o.b. mills. Trading was light. Refined oil was also higher and nominal at 18½c. per pound, tankcars, New York.

Soybean—Trading in crude oil took place at 9½c. per pound, tankcars, f.o.b. mills for spot shipment, but market became easier with soybeans and sales were reported at 9¼c., July-August. September was nominal at 9c. Refined oil was higher at 12¼c. per pound, tankcars, New York basis.

Tung—While trading was light and spotty, the market remained firm. Sales of occasional tankcars were reported at 20¾c. per pound, New York basis, with sellers maintaining 21c. Domestic oil was scarce and quoted nominally at 20½c., tankcars, f.o.b. mills.

Los Angeles Vegetable Oil Market

Los Angeles—Market tone steady with only light trading reported. Coconut oil and tung oil were up ½c. Supplies good on all oils. Oil in tankcars f.o.b. this city quoted as follows:—Castor, cold pressed, 17c. per pound; coconut, crude, 15c. per pound; cottonseed, crude, 10.5c per pound; peanut, crude, 12c. per pound f.o.b.; sesameseed, crude, none available; soybean, crude, 10.75c. to 11c. per pound, and tung, 21c. per pound.

Fats and Greases

Greases—This market was easier and off about ½c. per pound for low grades. Trading was moderate with large buyers taking yellow grease at 4c. per pound, loose, delivered. Choice white was quoted at 5½c. and house, 3¾c., same basis. Export inquiry was active, with business slow.

Lard—Firmer tone developed late in the week and prices were firmer. Cash lard was quoted at 11c. per pound, tierces, Chicago. Export business was fairly active at 12c. per pound, drums, f.a.s. New York, with sellers holding at ¼c. more. Lard exports were indicated at 287,527,000 pounds during January-May inclusive, against 133,290,000 pounds for the same period last year.

Tallow—Trading was light and spasmodic for domestic and export delivery. Consumers purchased moderate lots at unchanged quotations. Export inquiry was reported fairly active, though volume of business was limited. Fancy was quoted at 7c. to 7½c. per pound, drums, f.a.s., and extra, 6¾c. to 7c., same basis. Production and Marketing Administration reported purchase of 3,813 tons of tallow at 7⅛c. and 7¼c. per pound, drums, f.a.s. vessel, Atlantic-Pacific coast ports, June 22-24. Exports of inedible tallow totaled 158,044,000 pounds during January-May inclusive, compared with 13,089,000 pounds for the same time last year. Edible tallow exports were 11,416,000 pounds against 1,193,000 pounds for the same period last year.

Animal Oils

Degras—While trading was quiet, the market remained steady, as supply conditions were still tight. Crude and refined grades were unchanged and well held.

Grease Oils—Buying was hand-to-mouth. Market was unchanged at the recent decline of 1c. per pound.

Neatsfoot Oil—Business was light. Neatsfoot stock was easy and nominal.

Oleo Oil—Extra oil was quoted firmer at 12½c. per pound, tierces, New York delivery. Demand was spotty.

Oleo Stearine—Consuming demand more active. Market was firmer at 10c. per pound, barrels, New York basis, up ¼c.

Fish Oils

Cod—This market was unsettled by increased offerings for shipment, with buyers showing little interest. Prompt ship-

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Specializing in Analysis of Beverages Fertilizers, Phosphates, Wood Pulp, Coal and Coke, Feeding Materials, etc.
Culvert and Read Sts., Baltimore, Md.

ment was quoted at 9c. per pound, drums, c.&f. New York. Small stocks on spot were quoted nominally at 12c. per pound.

Crude Fish—Trading was reported slow. Market was quoted nominally at 5½c. per pound, loose, f.o.b. works.

Refined Fish—Consuming demand continued limited for small drum lots. Quotations were without change, and based on 9.2c. per pound, tankcars, New York.

Fatty Acids

Red Oil—Prices were maintained at current levels. Demand was light and spotty.

Stearic Acid — Trading was reported quiet. Market was steady and unchanged. Export inquiry less active.

Cake and Meal

Scarcity of meals and improved demand due to the dry spell, further advanced quotations last week. Offers for immediate shipment were light as many mills were shut down. Cottonseed meal was higher and 41 percent was raised to $67 per ton, Memphis, for prompt shipment. Soybean meal, 41 percent, was well held at $75 per ton, f.o.b. Decatur, for July shipment. Mills in the southeast were sold up for July and were practically out of the market.

Reports from Buenos Aires stated last week that the British had made the first purchases of oilcake and meal under the new Anglo-Argentine agreement at prices about 15 percent below Argentina's original price this year. Purchases were reported of 68,000 tons of various kinds of oil cake at about $65 per metric ton and 32,000 tons of oil meal at about $57 per metric ton. Under the new pact, Britain will purchase about 600,000 tons of oil cake and meal annually for fodder.

Linseed Meal—Active demand for prompt shipment and limited stocks raised the market $5 per ton.

Minneapolis—Improved demand for linseed meal, following the dry spell in the feeding belt, lifted prices $5 to $6 per ton and stepped up the spot demand. Buyers were not too much interested in forward meal but would pay $56 to $59 per ton, bulk, f.o.b. Minneapolis for July-August shipment.

Shipments of linseed meal, in pounds, were as follows:—

	1948-49	1947-48
This week	13,140,000	5,740,000
Since Sept. 1	288,680,000	259,490,000

Waxes

Beeswax—This market was quiet, but steady, owing to smaller offerings of crude. Quotations were unchanged and were well held. Demand for refined grades was light and spotty.

Candelilla.—Crude wax was firmer, because of scarcity of offers from Texas with the result that quotations were closer to union wax. Quotations ranged from 45c. to 46c. per pound, depending upon quantity and quality.

Carnauba—Tone of the market was firmer, as a result of reduced supplies on the spot and the firmness of shipments. Quotations on spot were unchanged except for yellow, which was increased 2c. No. 1 was held at $1.10 to $1.12 per pound, as to quantity and No. 2 at $1.08 to $1.10. Arrivals of carnauba wax totaled 1,886 bags at New York last week.

Ouricury—Refined was in slow demand. Prices were unchanged at 74c. to 75c. per pound, as to quantity.

Boyle-Midway, Inc., wax manufacturer, has commenced construction of a new plant in Cranford, N. J.

Hilo Engages Two

Hilo Varnish Corporation, Brooklyn, N. Y., has added Benjamin Drebsky and Simon Chipkin to its staff. Mr. Drebsky has been assigned to represent the trade sales department in Brooklyn and Mr. Chipkin has joined the laboratory staff, where he will devote his time to trade sales products.

Monsanto Has Redwood Coating

Monsanto Chemical Company, St. Louis, Mo., has developed a new surface coating and sealer for the protection of redwood lumber. Marketed as "Redwood Rez," the product contains pigments selected to protect the surface of the wood against ultraviolet rays, which cause discoloration.

Malmstrom Moves Chicago Office

N. I. Malmstrom & Co., lanolin manufacturer, Brooklyn, N. Y., has moved its Chicago office to 612 North Michigan avenue. The telephone number at the expanded Chicago office is Superior 7-0051.

FMC
Your FIRST Thought
for Good EQUIPMENT

2 Devine Vacuum Chamber Dryers, No. 11; 40" x 43"

1 Buflovak Double Drum Dryer, 30" x 72" complete.

4 Stainless Pressure Vessels from 3' x 5' to 5' x 8'

3 Stainless Jacketed Tanks 880 gal.; full jackets.

30 Ball and Pebble Mills from 20" x 24" to 6' x 8'

40 Heavy Duty Double Arm Jacketed Mixers up to 300 gal.

2 Pfaudler Glass-Lined Vacuum Pans; 500-2500 gal.

1 Bartlett & Snow Pan Dryer in Stainless; 7'10" x 2'11"

8 Stainless Steel Centrifugal Extractors; 60" Vac. type.

30 Other Centrifugals in S.S. Monel, Copper; all sizes.

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C Surplus Equipment

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157 Hudson Street,
New York 13, N. Y.

"BUY BRILL"
Buy the BEST

1—Tolhurst 40" Suspended Monel Perforated Basket Centrifugal m.d.
1—Tolhurst 40" center slung, stainless steel perforated m.d. Centrifugal.
1—Bird 18"x28" Centrifugal Filter, monel metal.
1—Elmco 4'x6' stainless steel Continuous Rotary Vacuum Filter.
2—Sharples #16V, S.S. Centrifuges.
1—#5 Stainless Clad Sweetland Filter.
3—#2, #7 Sweetland Filters.
2—1,000, 500 gal. glass-lined, jacketed, agitated Reaction Kettles.
2—Pfaudler 75, 100 gal. glass-lined, jacketed, agitated Kettles.
3—Pfaudler 300 gal. glass-lined Tanks.
25—S.S. Kettles, Tanks, 50 to 500 gal.
4—Dopp 250, 150 gal. Jacketed Kettles.
12—Ross Engineering 2-Truck Atmospheric Steam Heated Dryers, 500 sq. ft. each.
5—Abbe 6'x8', 5'x4', 4'x5' porcelain-lined Pebble Mills, motor driven.
1—Patterson 3'x4' Steel Ball Mill.
3—1SH, 2TH, 2DH Mikro Pulverizers.
1—Jeffrey 30"x24" Type A Hammer Mill.
1—Jay Bee 2UX Hammer Mill, 30 HP.
10—Rotex, Ro-Ball Screeners 20"x48", 40"x56", 40"x84", 20"x81", 40"x120", single, double and multiple deck.
2—Vacuum Shelf Dryers with 20—42"x42" and 13—59"x28" shelves.
1—Baker Perkins 100 gal. Jacketed Mixer.
1—Baker Perkins 4½ gal. Vacuum Mixer.
3—Baker Perkins Lab. 1 and 2 gal. S.S. Double Arm Jacketed Mixers.
5—Shriver, Sperry 30", 24", 12" cast iron plate and frame Filter Presses.
3—Sperry 30", 24" cast iron Recessed Filter Presses, 30 chambers.
5—Sperry 42" and 30" wood plate and frame Filter Presses.
10—Powder Mixers, 100 to 4,000 lbs.
8—Day 100 and 80 gal. Lead Mixers.

COMPLETE LISTINGS — QUOTATIONS SENT ON REQUEST

BRILL EQUIPMENT COMPANY
2401-THIRD AVE.
NEW YORK 51, N. Y.
TELEPHONE CYPRESS 2-5703

FOR SALE

1—Abbe Ball Mill, 36 x 30 O. D.—Chain Drive, with charge of 3" balls.
1—Robinson #20 Sifter (New).
1—#429 Standard Knapp Carton Gluer, #606 compression unit.
2—Standard Knapp special side carton sealer and gluer with compression units—New.
1—Baker Perkins W&P Jacket Mixer, double sigma blades power tilting, 100 gal. working capacity, blade speeds 32 & 16 RPM.
1—Baker Perkins Mixer, size 16½. 22½ cu. ft., 30 HP motor.
1—J. H. Day #4 double sigma arm tilting type.

AARON EQUIPMENT COMPANY
13 49 So. Ashland Ave. Chicago 8, Ill.

FOR SALE

PROCESSING EQUIPMENT

3—Mikro Pulverizers, #4, #1, Bantam.
1—Abbe Double Jar Mill.
2—Abbe Pebble Mills, 6' x 8'.
1—Allis Chalmers Continuous Ball Mill, steel liner, 8' x 7', 250 HP motor.
2—Shriver 24" Cast Iron P&F Filter Presses, open dely, 54 chambers.
1—Swenson Precoat Rotary Vacuum Filter, 8' x 8', acid proof, lead & rub.
1—Sweetland No. 10 Filter, C.I. Body, bronze leaves, 500 sq. ft.
1—Dopp 300 gal. cast iron jacketed and agitated Kettle.
25—Stainless and Stainless Clad Kettles, 30 to 500 gal., 40#, 100# jkt. pr.
35—Stainless Steel open top Tanks, 30 gal. to 500 gal., with some side mixers.
100—Horiz Welded steel tanks, mammut line 3,100 & 6,500 gal.
7—Lead & Paste Mixers, 80 gal.
2—Ross 3-Roll Mills, 16 x 40.
4—Double Arm Jktd. Mixers; B-P 15 gal. vac.; Day 25 gal.; W&P 100 gal.; Read 250 gal.

PACKAGING EQUIPMENT

2—Automatic Vacuum Fillers, 12 spout, stainless steel.
4—Semi-Auto. Vacuum Fillers, 8 spout, stainless, bronze.
3—Syphon Fillers, 8 spout, stainless, bronze.
3—Semi-Auto, Powder Fillers, auger type.
2—Automatic Powder Fillers, auger type.
AUTOMATIC LINE FOR FILLING POWDER INTO CARTONS—60 per min.
2—Resina Automatic Cappers, 28 & 70 mm.
3—CC&S Jumbo 7-head Auto. Crowners.
7—Portable Cap Tighteners. Elec. op.
5—Bottle Rinsers, 60 & 72 spout.
3—Ermold Auto. 6-wide Labelers.
1—Auto. Rotary Duplex Labeler.
6—Auto. Rotary Simplex Labelers.
4—Auto. Wrap Around Labelers.
6—Semi Auto. Spot Labelers.
1—Standard Knapp Top & Bottom Case Gluer and compression unit.
3—Acme Elec. op. Case Stitchers.

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PERRY EQUIPMENT CORP.
1507 W. THOMPSON STREET • PHILA. 21, PA.

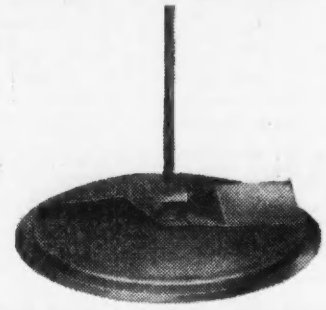
Fats and Oils Hearing

—Continued from page 4

George M. Strayer, secretary of the American Soybean Association, and Ray Iberg, chairman of the legislative committee of the United Farmers of America, Inc.

The committee is currently conducting hearings to determine the reason for the decline in the domestic consumption of fats and oils, the decline in exports, the displacement of fats and oils by synthetics and the possibility of expanding the uses of such commodities.

WOODMAN
DRUM
AGITATOR



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—CHECK THESE FEATURES:

- QUICKLY ASSEMBLED—No bridge weld —No pin to insert into agitator rod.
- AGITATOR BECOMES INTEGRAL PART OF DRUM — It is anchored to bottom by a standard ¾ inch cast iron plug screwed into a ¾ inch tri-sure flange.
- BLADE BRINGS UP ALL PIGMENT FROM BOTTOM—Blade is within ¼ inch of bottom. It's 45° pitch assures thorough mixing of all pigments, oils and solvents.
- AGITATOR COMES KNOCK-DOWN — This saves storage space.

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6—Anderson No. 1 Expellers.
2—Dopp 1,000 gal. Jack. Agit. Kettles, Dopploy Acid Resistant & Iron.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24".
1—Denver 4'x3' Rotary Vac. Filter, Motor Driven, complete.
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Devine Vac. Shelf Dryer, 7 shelves.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century "Giant" 2 HP, 4 speed Vert. Mixer.
4—Abbe Pebble Mills, 6'x8', 60"x48".
8—Abbe Jar Mills, Lab. to 2 gal. sizes
1—U. S. Stainless Colloid Mill, 5 HP.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
2—Sperry 18" Lead Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
2—Shriver 18" Wood Filter Presses.
5—Tyler 38 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screen.
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ⅛" to 1¼".
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
1—Huber 25 ton Para Block Press.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers, Sifters.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 2"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Samco Jr. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
8—Filling, Labeling, Cartoning & Wrapping Machines. Colton Tube Fillers.
15—Port. Elec. Mixers, ½-2 HP.
3—Rotary Cutters, 5 & 40 HP.
8—Hammer Mills, 3 to 50 HP.
1—Stedman 32" Single Roll Crusher.
6—Centrifugals, 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
2—DeLaval Mult. Clarifiers, 300 & 301.
Soap Machinery for Toilet, Laundry, etc.

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"Consolidated" OFFERS THE FOLLOWING MACHINES AT REDUCED PRICES

1—750 KVA AC UNIFLOW ENGINE GENERATOR SET, non-condensing and complete with all accessories.
1—Double shell direct fired ROTARY DRYER, inner shell 5'6" dia. x 59' long, outer shell 10' dia. x 40'6" long, complete with motor drive, oil burning equipment, instruments and accessories.
1—LOUISVILLE ROTARY STEAM TUBE DRYER, 6' x 50'.
1—ROTARY VACUUM DRYER, 5' x 33'.
3—7500 gal. STEEL KETTLES, with copper coils, closed. Agitated. 10' dia. x 12'6" deep, 15' overall height.
1—2000 gal. STEEL KETTLE, jack., open top, agit., 7' dia. x 7'6" deep.
2—No. 10 SWEETLAND FILTERS, 3" centers, iron or copper leaves.
2—BAKER PERKINS MIXERS, size 17. Jacketed, 200 gallon.
1—VACUUM SHELF DRYER, 17 shelves, 40" x 43".
1—KILBY 39" x 39" cast iron FILTER PRESS, washing type, plate and frame, 47 chambers.
3—36" x 36" SPERRY 60-plate FILTER PRESSES, cast iron, recessed, center feed, open delivery, hydraulic closing, hydraulic pumps.
1—UNUSED triple effect GOSLIN-BIRMINGHAM EVAPORATOR, stainless steel shells and tubes, 850 sq. ft. per effect.
6—9'6" dia. x 18'6" long stainless steel lined, steam jacketed CRYSTALLIZERS, with 4" s/s agitator coil, worm gear drive.
4—UNUSED Bird high speed stainless steel CENTRIFUGALS, suspended type, each with 40" x 24" deep s/s basket, s/s casing and curb, each with direct connected 1800/900 RPM. 3/60/440 volt direct connected tefc motor.
2—UNUSED 10'6" x 16' FEINC FILTERS, wood, type 316, stainless steel and silicon bronze construction.
2—UNUSED 8' x 10' OLIVER PRECOAT ROTARY CONTINUOUS VACUUM FILTERS, all silicon bronze construction, each with bronze drum, valve, trough and piping.

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WE BUY AND SELL—FROM SINGLE ITEMS TO COMPLETE PLANTS

MEC **FOR SALE** MEC

YOU CAN'T GO WRONG
BUYING FROM M.E.C.

1—New Pfaudler Stainless Steel Jacketed Agitated Reactor, 150 gallons.
1—New Glasscote 1,000-gal. Jacketed Agitated Glass Lined Reactor.
1—New Pfaudler Glass Lined Reactor, 500 gals.
1—Code Welded Type 316 Stainless Steel Jack. Reactor, 1,000 gals., with Agitator and Exp. Pf. Motor.
1—Pfaudler Glass Lined Jacketed 200-gal Kettle.
1—Stainless Steel 2,500-gal. Vertical Tank with Agitator.
1—Fowler Stainless Steel 9 Stem Rotary gal. Filler.
1—Sperry 42" Wood Plate & Frame Filter Press, Hyd. Closure, 57 ch., 1-¾" cake.
1—Shriver 12" Lead Plate & Frame Filter Press, 14 Ch., 1" Cake, Cl. Dely.
1—Stokes 30"x8' Rotary Vacuum Dryer.
2—Fitzmills Model "D" Stainless Steel, 5 H.P. 3 Ph. Exp Pf. Motors.
18—New 100 gal. Stainless Steel Clad Jack. Kettles.
2—Stainless Steel Tanks, 11,000 gals.
6—Stainless Steel Centrifugal Pumps 1—5 H.P.

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TOMORROW WE CAN DELIVER

3—Baker-Perkins jkted. 100-gal. double arm mixers, hydraulic dump.
1—Rotex 40" x 100", 3 separations sifters, MD.
1—New Struthers-Wells nickel clad 100-gal. reactor, 3 HP, exp. proof (ngit.).
2—Sargent and Koch dryers, single and 3 pass, 26' and 60' long.

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HARDFORD COUNTY DISTILLERY,
HAVRE DE GRACE, MARYLAND.
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30—Pfaudler glass lined jacketed, and single shell tanks up to 550 gals.
2—Day Mogul and W & P 2½-gal. lab. mixers, jktd. with vac cover.
15—Powder mixers from 100 to 4,000 lbs.
4—Abbe Engineering No. 6A jacketed and unjacketed mills.
2—Abbe 5' x 4' ball mills.
3—Gemco 220-gal. conical blenders.

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MACHINERY CORPORATION
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Detrex Corp. Advances Two

The Detrex Corporation, cleaning chemicals and equipment manufacturer, Detroit, Mich., has appointed R. A. Emmett jr. special assistant to the general manager, to supervise material control, production scheduling, inspection and safety. J. Doyle Hamacher has been named superintendent of the equipment manufacturing plant and will also retain his duties as company plant engineer.

COMPLETE SOLVENT RECOVERY SYSTEM

Capacity approximately 39,000 CFM, consisting of 4—6 x 34 all stainless, type 304 Adsorbers, 30,000# activated carbon, Stainless Ducts, hydraulically operated stainless fitted valves, stainless condenser. Stainless impeller fan.

Also COMPLETE DISTILLATION UNIT, capacity approx. 400 GPH mixed solvents, consisting of 24" & 30" Copper Columns, with Preheater, Condensers, Pumps, Rotameters, and instruments.

Above set up as operated, in perfect condition, immediately available, priced far below present day replacement value. Write or wire us for inspection arrangements.

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1—Bird Centrifuge 40" Stainless Steel Suspended Perforated Basket, with motor.

1—Tolhurst 30" Centrifuge, center slung, rubber lined basket.
1—Tolhurst 20" Centrifuge, rubber lined basket.
1—Swenson rubber lined vacuum Crystallizer, 4'x16'.
4—Shriver 7"x7", lab. Filter Presses, closed delivery.
1—Plate Fabricator jacketed kettle, 900 gallons, 125 PSI.
1—Pfaudler Aluminum jacketed reactor, 1,300 gallons. (New.)
1—Pfaudler Aluminum jacketed Reactor, 250 gallons. (New.)
2—J. H. Day Heavy Duty Kneaders 30 gallons.

R. GELB & SONS, INC.
UNION, N. J.
Est. 1886 UNionville 2-4900

FOR SALE

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
20—Steam Jacketed Kettles, Stainless Steel & Aluminum, 30 to 250 gals.
50—Pumps (Steam and Electric), used & new.
New and used high pressure Steam Boilers, 2 H.P. to 250 H.P.
1—Stedman 40" Cage Disintegrator.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed.
2—Flow-Master Kom-bi-nators.
2—New Ribbon Type Mixers, 8 & 24 cu. ft.
2—Ribbon Type Mixers, steam jacketed.
4—Steel Tanks, 100,000 gals. each.
9—Steel Tanks, 67,500 gals. each.
1—500 gal. Vert. Glass-Lined Tank, closed top, on stand.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
1—Sweetland Filter, No. 5, 15 leaves.
1—Sperry Filter, 18 x 18—24 plate.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL 1—Pattersan Pebble Mill, 36" diam. x 42", silex lined—like new.
2—Ransome Rotary Agitators, 9' dia. x 11'6".

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FOR SALE
Steel Storage Tanks

6—8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.
14—10,000 gallon, Coiled TANK CAR TANKS.

Available at Once!
COMPLETE TANK CARS
IRON & STEEL PRODUCTS, INC.
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"ANYTHING containing IRON or STEEL"

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Pebble Mills — 18x27", 36x30", 54x60", 72x60", 3'x3' Hardinge Ball Mill
2 Amer. Exhausters, size 400E No. 60 Clarage.
2-Spencer Turbo Blowers 400 CFM, 16 oz.
No 2 Sweetland Filter.
B.-4-Laughlin Cont. Filter.
54"x30' Rotary Dryer. 54"x25' Louisville
26", 40", 48" Tolhurst Centrifuges.
850 gal. Autoclave.
8 cu. ft. Ribbon type Mixer.
A.C. Dodge 7x9 Jaw Crusher.
4 Wickes Boilers, 200 H.P.

Send for Stock List

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AGITATOR DRIVES
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KETTLES
MILLS
MIXERS
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TANKS

Ask For Stock Sheet "H"
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FOR SALE

3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.

Specializing in Rebuilt Machinery

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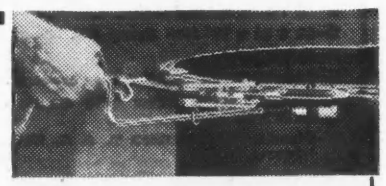
DElaware 2-6095

For SAFE CLOSURES of Full Removable Head Drums Use DRUM PARTS SYSTEM — Closing Tool Remains on Drum Until Bolt is Tight!



DRUM PARTS SYSTEM was designed to make it easy to insert the bolt in the lugs on the ring and to tighten the bolt after it has been inserted.

Note in the illustration that the wrench which is a self-contained part of the "SPIN-SEAL" Closing Tool is instantly ready to tighten the bolt, after it has been quickly inserted in the lugs.

DRUM PARTS SYSTEM makes it easier and quicker to do the job the right way—to tighten the bolt while the ring is held firmly in the proper position—not after the tension has been released.

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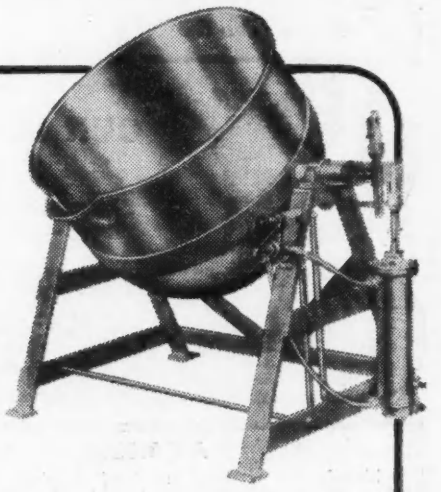
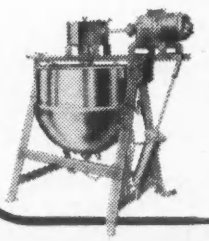


KETTLES



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AGENCIES OFFERED

Resin Manufacturer wants Representative experienced in sales phenolic and urea Resins—liquid and powder. Will make commission arrangement if desired. Confidential. Our men know about this advertisement. OPD 653.

AGENCIES WANTED

Manufacturer's agent maintaining well-staffed Washington office. Knows Government procurement and procedures. Desires to represent paint manufacturer or allied lines. Write or phone H. R. Robinson, 820 Maine Ave., S. W., Washington, D. C., National 4572.

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3 round steel storage tanks, 6 to 7 ft. diameter, conical bottoms, open or closed top, approximate capacity 3,500 gallons; 2 turbine pumps—200 G.P.M., other 350 G.P.M. Address P. O. Box 1174, Youngstown, Ohio.

Wanted: 1—1,000 gal., glass-lined storage tank; 1—12" dia. clarifying filter, preferably Alsop, of 316 stainless; 1—200 gal., glass-lined, jacketed, agitated reactor. Please send complete details and price desired to OPD 664.

1—18"x18" stainless Schriver or equal, filter press, 12 plates and frames, complete with stainless diaphram or centrifugal pump. OPD 667.

Small, water-cooled drum flaker size about 2 x 4 ft.—in good working condition—submit full particulars to OPD 668.

FACILITIES OFFERED

Collapsible Tubes, jars and cans filled—Contract work on pharmaceutical and cosmetic ointments, lubricants, adhesives, lacquers, caulking compounds, colors in oil and allied material. Manufacturing facilities on small and large runs. Inquiries invited. Military Packaging Service, 311 Woods Ave., Oceanside, Long Island, N Y

Facilities offered for mixing dry chemicals carload and less carload. Also grinding, pulverizing, drying, screening and packing done. Experienced capable personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 649.

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Sodium Sulphate N. F. exsiccated granular powder up to 40,000 pounds in drums or in 1 pound bottles. Need warehousing—will sacrifice. Dainor Corporation, 9 West Pearl Street, Cincinnati 2, Ohio.

300 Wooden cases, 21 L. x 15 w. x 8" h., each case contains 24—1 lb. screw cap bottles. Spring Chemicals, Inc., 152 West 25th St., New York 1, N. Y., Phone: WAtkins 9-3906.

Zinc Chromate—Green. 35,000 gals. 5 gal. pails and 55 gal. drums. Spray. Brush, Dip. Guaranteed. Very attractive prices. Sample on request. Hogan Paint & Chemical Corp., Edgemere, L. I., N. Y.

MATERIALS WANTED

Wanted 2 000 ounces homatropine alkaloid. Quote best price. OPD 669.

MATERIALS WANTED

To manufacturers and jobbers. Are you overstocked? We require immediately large or small lots many items chemicals, pharmaceuticals, solvents, aromatics, waxes; other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 648.

PHOSPHATE LEASE

United States Department of the Interior, Bureau of Land Management, Washington 25, D. C. Notice is hereby given that the lands listed herein are offered for phosphate lease, through sealed bids, at a minimum bid of $1 an acre, on the terms hereinafter specified, to qualified bidders of the highest cash amounts per acre as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440, 30 U.S.C., sec. 211), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C. on or before 1 p.m., Eastern Daylight Saving Time, on the date set out herein. Each bidder must submit with his bid certified check, money order, or cash, for one-fifth of the amount bid by him, and file evidence of qualifications as prescribed in 43 CFR 196.7 (b), (c) and (g), if a current showing in that regard has not been filed. The envelopes shall be plainly marked that they are not to be opened before the date and hour set out herein and should show that the bid is for phosphate lease. No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of the bid made by him and the rental at the rate of 25 cents an acre for the first lease year, and submit lease forms and a bond in the sum of $5,000 (43 CFR 196.12). Deposits of other bidders will be returned upon the acceptance of the successful bid. Bidders are warned against committing any act by intimidation, combination or unfair management, to hinder or prevent bidding at the sale in violation of section 1860, Title 18, United States Code. The right is reserved to reject any and all bids. The lands to be leased are in the State of Utah, and are the W½SW¼ sec. 3, E½SW¼, SE¼ sec. 4, T. 8 N., R. 5 E., S.L.M, Utah, 320 acres. Terms: A minimum investment of $10,000 during the first three years of the lease; a royalty of 5 percent of the gross value of the phosphate or phosphate rock and associated products recovered and sold, or otherwise disposed of at the point of shipment to market, which royalty shall not be less than 25 cents per ton of 2,000 pounds. A royalty of 10 percent of the gross value of vanadium and associated or related minerals recovered and sold or otherwise disposed of; a royalty of 10 cents a ton of 2,000 pounds of silica and limestone or other nonphosphate rock mined and sold, used, or otherwise disposed of from the leased land under sec. 4 of the act of June 3, 1948 (62 Stat. 289); a minimum production of 5 tons an acre beginning with the fourth lease year. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphates or phosphate rock and associated products, due consideration being given to the highest price paid for a part or majority of the production of like quality products from the same general area, the price received by the lessee, posted prices, and other relevant matters. Royalty shall be payable monthly within 30 days from the expiration of the month in which it accrues. The minimum production will not be reduced or waived at the lessee's request except as provided in 43 CFR, 196.5, 196.6, 191.25, or 191.26, or upon a satisfactory showing that market conditions are such that the lessee cannot operate except at a loss. The lease will be cancelled if production, or the construction of production facilities, including processing plants, is not commenced by the beginning of the fourth year of the lease. Bids must be submitted on or before 1 p.m., Eastern Daylight Saving Time, August 3, 1949. Marion Clawson, Director.

PLANTS OFFERED

For sale:—Contents of small paint plant located in Minnesota. Also transfer of approximately 2 years' lease on building. Plant equipped to produce approximately 12,000 gallons trade sales paint per month. Bargain to responsible party. OPD 644.

PLANTS WANTED

Wanted—Complete plants also machinery—large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS WANTED

Chemical Salesman of twenty years experience with good practical and technical background desires position in either Phila. or New York metropolitan area. Please reply to OPD 660.

Production Chemist, 13 years' diversified manufacturing experience. Salicylates, bismuth salts, cinchona, alkaloids, dry colors, DDT, 2-4-D. Knowledge equipment, control, records, etc. Responsible person. Available at once. OPD 661.

Brazilian, age 37, married, one child. Considerable experience sales promotion, market research on pharmaceuticals, drugs and chemicals. Immediately available for permanent assignment Brazil. OPD 662.

Sales—Chemist, engineering training, 35, own car, alert, proven sales ability, numerous industrial contacts, seeks opportunity with manufacturer or supplier. Asking reasonable salary. Excellent references. Willing to travel. OPD 663.

Chemical Engineer seeks position. Columbia University graduate, high honors. Desires junior connection with basic chemical manufacturer like Merck, Mallinckrodt, Allied Chemical, Pfizer, or other reliable firm offering worthwhile future: Age: 22. Highest references. M. Schnall, 1000 Kelly Street, New York.

Salesman, Chemical, drug, pharmaceutical, technical background. Graduate pharmacist, 12 years sales experience to industry and consumer, including fungicides, germicides, detergents, sanitary and pharmaceutical specialties, drugs. Executive experience in sales promotion, product and market development. OPD 670.

SERVICES OFFERED

Pharmaceutical Chemist with extensive practical experience can aid you in the development of new drug specialties, plant and technical control, costs and label set up. Available as consultant full or part time. OPD 665.

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Above equip. in place w/motors & controls.

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740 "	Carbowax #6000 (C&C)	22c	"
650 "	Ammonium Carbonate, lump	10c	"
250 "	Calcium Carragheen (Sulphate)	$1.25	"
300 "	Gum Tragacanth (Powder)	80c	"
95 "	Ipecac Powder	$2.50	"
3300 "	Magnesium Trisilicate	25c	"

Box 666, Oil, Paint and Drug Reporter

Lindane Recommended

—Continued from page 7

which do not hold as much liquid may require as high as one-half of 1 percent lindane spray.

This spring, the department entomologists suggested that methoxychlor, as a residual spray, and pyrethrum or organic thiocyanate space sprays be used instead of DDT inside dairy barns and milk processing plants. The present recommendation that lindane be used as a residual spray inside of dairy barns and other places where milk is processed on the farm provides another insecticide which will aid in the control of flies.

Experiments with lindane for controlling flies have been carried on by various state workers, especially those in California, by the insecticide industry, and by entomologists of the Department of Agriculture. These investigators found that this insecticide, applied as a residual spray, is effective even against house flies that have developed resistance to DDT and to methoxychlor. Applications usually remain effective for about three to six weeks.

Collaborative tests conducted by the bureau of entomology and plant quarantine, the Food and Drug Administration of the Federal Security Agency, Rutgers University, and the manufacturers of lindane insecticides have shown that if residual applications of lindane are made as recommended above milk will not be contaminated. No adverse odor has been detected in the milk from herds housed in barns treated with this insecticide.

DDT Use Encouraged

—Continued from page 7

with the use of DDT in the nation's health and economy whether it offers any health risk if properly used. The government scientists were also asked whether they knew of any reason why adequately labeled household insecticides containing DDT should not be advertised and sold to the public. They know of no such reason and, on the contrary, deplore the fears that have been needlessly raised."

Health Chiefs Give Views

Mr. Backman said that Assistant Surgeon General J. W. Mountin of the Public Health Service, Federal Security Agency, replied that "the Public Health Service has no evidence that there is any appreciable health risk in the proper use of DDT as a household insecticide" and "there is no reason why DDT labeled in accordance with government requirements should not be advertised and sold to the public."

He reported that Dr. W. G. Reed, chief of the insecticide division, Department of Agriculture, stated in summary that "it would appear that there is no valid reason why properly labeled DDT household sprays should be withheld from the public."

"Dr. S. A. Rohwer, assistant chief of the bureau of entomology and plant quarantine, expressed similar views. All of the government authorities stressed the necessity for carefully following directions for the use of DDT. Similarly, the National Better Business Bureau is urging advertisers to make no statements tending to encourage careless use of these household insecticides but to include in their advertisements a cautionary statement to use only as directed."

Miss. Glass Elects Hershfield

The Mississippi Glass Company, St. Louis, Mo., has elected Paul L. Hershfield president, effective August 1. Mr. Hershfield has been an executive of the Anchor Hocking Glass Corporation, Lancaster, Ohio, for the past twenty-one years.

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Lion Oil Company, El Dorado, Ark., has completed five new oil wells in the Diamond M field, Scurry County, Tex., bringing to twelve the total wells completed in this field by the company.

A. E. Kihn has been appointed manager of the marine department of the Standard Oil Company of California to succeed J. H. McEachern, who has been assigned to other duties.

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CYCLOPENTANONE

6-METHYL THIOURACIL

DIETHYL AMINO ETHYL CHLORIDE HCL

DIMETHYL AMINO ETHYL CHLORIDE HCL

DIPHENYL ACETIC ACID

DIPHENYL HYDANTOIN

IRON REDUCED BY HYDROGEN, N.F.

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